

Please read instructions	on reverse before completing form.	Form App	oroved. OMB No. 2	070-0060	. Approval expires 2-28-9
<b>⇔EPA</b>	United States Environmental Protect Washington, DC 20	ion Agency	Registra Amenda	tion	OPP Identifier Number
	Applicat	ion for Pesticide - Sect	tion I		
1. Company/Product Num 19713-568	ber	2. EPA Product Mana JIM TOMPKINS	ager		posed Classification None Restricted
4. Company/Product (Nar DREXEL POWER P		PM# 25/Herbicide Bra	anch		
Drexel Chemical Compan P.O. Box 13327 Memphis, TN 38113-0327		_	s similar or identi	ical in con	FIFRA Section 3(c)(3) apposition and labeling
Check if	this is a new address	Product Name _			
		Section - II			
Notification - Expl	esponse to Agency letter datsd	Agency lette "Me Too" A Other - Expl ion I and Section II.)	application.		NOTIFICATION NOV 1 5 2005
		Section - III			
1. Material This Product Child-Resistant Packaging Yes No * Certification must be submitted	Unit Packaging Yes No If "Yes" Unit Packaging wgt.  No. per container	Water Soluble Packaging  Yes  No  If "Yes"  Package wgt  Container		Metal Plastic Glass Paper Other (Sp	
3. Location of Net Conter Label 6. Manner in Which Label	Container	ograph Other	5. Location of Lab	el Direction	
		Section - IV			••••
1. Contact Point (Comple	ete items directly below for identificet	tion of individual to be contacted, i	if necessary, to pro	cess this e	oplication.)
Name LUZ G CHAN		Title REGISTRATION MANAGER		<b>Telephone</b> (901) 774-	No. (Include Area Code)

Certification
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or

3. Title

5. Date

REGISTRATION MANAGER

October 27, 2005

both under applicable law.

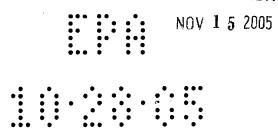
2. Signature

4. Typed Name

LUZ G CHAN

6. Date Application\*\*





October 27, 2005

Submission of Revised Label per PR Notice 98-10 DREXEL POWER PLAY (EPA Reg. No. 19713-568)

This notification is consistent with the Provisions of PR Notice 98-10 and EPA Regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

FOR DREXEL CHEMICAL COMPANY

Registration Manager

NOV 1 5 2005

# RESTRICTED USE PESTICIDE

(Due To Oncogenicity)

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.



Herbicide

Preplant incorporated herbicide for weed control (including Foxtails, Crabgrass, Barnyardgrass, and suppression of Woolly cupgrass, Wild proso millet and Field sandbur) in Field corn, pro-

## **ACTIVE INGREDIENTS:**

duction Seed corn, Silage corn, and Popcorn.

OTHER INGREDIENTS:	ite 67.8%
OTHER INGREDIENTS:	
-	e 16.9%
TOTAL:	<u>15.3%</u>
101/11/11/11/11/11/11/11/11/11/11/11/11/	100.0%

Contains 7.0 pounds of active ingredients per gallon. (5.6 lbs. EPTC per gallon and 1.4 lbs, acetochlor per gallon).

# KEEP OUT OF REACH OF CHILDREN WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

## See FIRST AID Below

EPA Reg. No. 19713-568 EPA Est. No. 19713-MS-1

**Net Contents:** 

## **FIRST AID**

## IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye

## IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.

## IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow.
- . Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

## IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

## Note to Physician

Probable mucosal damage may contraindicate the use of gastric lavage. This product contains EPTC, a thiocarbamate that inhibits cholinesterase. If symptoms of cholinesterase inhibition are present, atropine by injection is antidotal. Pralidoxime chloride (2-PAM) is NOT recommended as an antidote for this compound. Thiocarbamates have been shown in laboratory animals to cause a disulfiram (Antabuse) - type reaction in combination with alcohol.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

## PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: Causes substantial but temporary eye injury and skin irritation. Harmful if swallowed or absorbed through skin. Do not get in eyes or on skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: Coveralls over shortsleeved shirt and short pants, chemical-resistant gloves made of any waterproof material such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, shoes plus socks and protective eyewear. Discard clothing and other absorbent materials that have been drenched

or heavily contaminated with this product's concentrate. Do not reuse them

Mixers and Loaders exposed to the concentrate must wear: a chemicalresistant apron.

In addition to the above PPE, applicators applying dry bulk fertilizers with a specialized truck designed to treat more than 80 acres, must wear a NIOSH approved respirator with:

- an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH) approval number prefix TC-23C) or
- a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or
- a NIOSH approved respirator with an (OV) cartridge, or
- a canister with any N, R, P, or HE prefilter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## **ENGINEERING CONTROLS**

Commercial (for-hire) Handlers engaged in impregnating this product onto dry bulk fertilizer must:

- Wear the personal protective equipment required for mixers/loaders, except shoes may be substituted for chemical-resistant footwear
- Have immediately available for use in case of an accident a NIOSH approved respirator with:
  - an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C, or
  - a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or
  - a NIOSH approved respirator with an (OV) cartridge, or
  - a canister with any N, R, P, or HE prefilter.

(Continued)



#### (Cont.)

When other handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 1 70.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

## **USE SAFETY RECOMMENDATIONS**

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

This product is toxic to fish and mammals. Do not apply directly to water, or to areas where water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Acetochlor demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soil are permeable, particularly where the groundwater is shallow, may result in groundwater contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

#### DIRECTIONS FOR USE

RESTRICTED USE PESTICIDE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forest, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the REI of 12 hours. **Exception:** If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, chemical-resistant gloves made of any waterproof material, and shoes plus socks.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN INJURY, POOR WEED CONTROL, OR ILLEGAL RESIDUES.

Power Play is a selective soil applied herbicide which must be mixed or incorporated into the soil for control of weeds listed on this label. This herbicide controls weeds by interfering with normal germination and seedling development. It will not control established or germinated weeds present at application.

## **USE RESTRICTIONS**

Do not apply to the following soils if groundwater depth is 30 feet or less: sand with less than 3% organic matter; loamy sand with less than 2% organic matter; or sandy loam with less than 1% organic mater.

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. Setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or

equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding well head setbacks and operational containment.

Do not apply this product through any type of irrigation system. Do not use flood irrigation to apply or incorporate this product.

Product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures, or rinsates.

Do not apply under conditions which favor runoff or wind erosion of soil containing this product to nontarget areas. To prevent off-site movement due to runoff or wind erosion:

- Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface must first be settled by rainfall or irrigation.
- Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.
- Do not use tailwater from the first flood or furrow irrigation of treated fields to treat nontarget crops unless at least one-half inch of rainfall has occurred between application and the first irrigation.

Do not apply this product using aerial application equipment.

Do not apply when wind conditions favor drift to nontarget sites. To minimize spray drift to non-target areas:

- Use low pressure application equipment capable of producing a large droplet spray.
- Do not apply this product in a manner that allows spray to drift from the application target site and/or cause harm to humans, animals, or other non-target sites.
- · Do not use nozzles that produce a fine droplet spray.
- Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
- Keep ground-driven spray boom as low as possible above the target surface.
- Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid application when gusts approach 15 mph.

Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/or high temperatures. Do not apply during inversion conditions.

## **GENERAL USE PRECAUTIONS**

Read all label directions before using.

Do not use this product on any crop other than Corn.

If crop treated with this product is lost, Corn may be replanted immediately. Do not make a second application of this product or equivalent product such as DoublePlay®.

This product can be stored at temperatures as low as minus 25°F.

This product should be used for recommended purposes and at recommended rates. Do not overdose.  $\label{eq:commended}$ 

This product is recommended for use only on mineral soils (those soils containing less than 10% organic matter).

Do not use this product on Corn seed stock such as Breeders, Foundation, or Increase.

This product may be used on production Seed corn.

Do not use this product on Sorghum or Milo.

Do not allow this product to contaminate water to be used on susceptible crops and ornamentals, or for domestic purposes.

Do not allow this product to contaminate feed or food.

This product should not be stored near seeds or fertilizers.

All containers of this product should be kept tightly closed when not in use.

This product will not harm the treated crop nor leave harmful soil residues past harvest when applied properly and environmental conditions exist for normal plant growth during the season.

Adverse conditions such as unusually cold and wet or hot and dry weather during germination and early growth; insect, nematode, or plant disease attack; carryover soil residues of persistent herbicides; or use of certain soil applied systemic insecticides can create abnormal conditions that weaken crop seedlings. This product used under these conditions could result in crop injury.

Continuous use of this product in the same fields consecutively year after year can, in some areas, lead to a decrease in the level of performance. As a precaution, fields treated with this product should be rotated with another crop or herbicide classification on an annual program.

ROTATIONAL CROPS: Corn, Soybeans, Sorghum, or Tobacco may be planted the spring following application. Wheat may be planted 4 months after application.

Do not rotate to crops other than Corn, Soybeans, Sorghum, Tobacco, or Wheat.

## **APPLICATION DIRECTIONS**

#### CARRIERS

**Liquids** - Either water or fluid fertilizers such as solutions, slurries, or suspensions may be used as liquid carriers. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if this product is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

**Dry Bulk Fertilizer** - This product may be impregnated on dry bulk fertilizer and applied as the fertilizer is spread.

Bulk fertilizer impregnated with this product should be applied immediately, not stored.

It is recommended that all bulk containers be tightly covered while the product is being transported and applied to reduce probability of EPTC loss via volatilization.

When application and incorporation are done in separate operations, impregnated fertilizer must be incorporated on the same day as applied.

When separate operations delay incorporation, applications must be made on a soil surface dry to one-half inch deep and free from dew and incidental moisture.

See APPENDIX II and consult your local dealer for details including what fertilizers are compatible.

#### **ADDING TO SPRAY TANK**

## If this product is used alone:

Add the recommended amount to a clean (thoroughly rinsed and decontaminated) spray tank before it is half filled so that addition of the remaining water or fluid fertilizer carrier can aid in the thorough agitation and mixing of the spray solution.

#### If a tank mixture is used:

See directions under the TANK MIX COMBINATIONS section of this label.

## VOLUME

Apply in 10 to 60 gallons of water or fluid fertilizer per acre using a properly calibrated sprayer having good agitation.

## PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern.

## SOIL MOISTURE AND TILTH

Improper incorporation or poor tilth such as large clods may result in erratic or unsatisfactory weed control.

The soil should be dry enough to permit good soil mixing or incorporation. Any application of this product that is not immediately incorporated in the same operation must be made to a soil surface dry to at least one-half inch deep and free from dew and incidental moisture.

## **INCORPORATION TIMING**

Application and incorporation should be done in the same operation when possible.

Applications in water or fluid fertilizer must not have more than a 4 hour delay between application and incorporation.

When application and incorporation are separate operations in the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product must be incorporated the same day as applied. See moisture statement above.

This product impregnated on dry bulk fertilizer must be incorporated on the same day as application. See moisture statement above.

## INCORPORATION EQUIPMENT AND METHODS

This product must be incorporated into the soil to prevent loss of the herbicide.

Field cultivator: Use on all soils in good tilth. Equip with 3 to 4 rows of sweeps spaced at 7 inches or less and staggered from row to row to leave no soil unturned or undisturbed. Set the field cultivator to cut 4 inches deep. Operate at 6 mph or more. Follow by a harrow or leveling device. Chisel plows or point should not be used. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, use two passes to improve control.

**Tandem disc:** Can be used on all soil types. Set disc to cut 4 inches deep. Operate disc at 4 to 6 mph. Follow disc by a harrow or leveling device slightly wider than that of the disc. Two passes in different directions will improve incorporation. On the second pass the disc should be operated 1 inch shallower than on the first pass. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, a second incorporation will improve control or suppression.

**Sprinkler Irrigation:** Do not apply this product by sprinkler irrigation. Use a sprinkler system only to incorporate this product after applying by ground equipment as follows:

In the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product may be surface applied immediately after planting.

See soil moisture statement above.

This product can then be incorporated using one-half to three-fourths inch of water within 36 hours following application.

Application and incorporation must be done within 5 days after the last tillage operation since poor results will occur if weeds have germinated.

#### PLANTING

Planting should occur as soon as possible after application and always within 2 weeks after treatment. Plant seed to maximum depth of 2 inches. Avoid moving or shaping soil after incorporation since this can remove

Avoid moving or snaping soil after incorporation since this can rer this product from the row and result in a loss of weed control.

#### CULTIVATION

Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control.

A shallow cultivation is less than one-half the depth of incorporation.

#### WEEDS CONTROLLED AND USE RATES

Consult Table 1 below. Note "Comments and Restrictions" column in Table 1.

#### Table 1: This Product Broadcast Rate Per Acre

The annual broadleaf weeds listed below will be controlled only if treatment is made when conditions are favorable for weed seed germination and growth. Under prolonged conditions of very cold soil, control of the listed broadleaf weeds may not be adequate.

Annual Grass and Broadleaf Weeds	Scientific Name	U.S. (Except CA, AZ, FL) (pint)	C= Control PC= Partial Control	Comments and Restrictions
Barnyardgrass (Watergrass)	Echinochloa spp.	4.5 - 7	С	General
Foxtail, giant	Setaria faberi	4.5 - 7	С	Use the lower rate for light infestations and
Foxtail, green	Setaria viridis	4.5 - 7	C	coarse textured soils.
Foxtail, yellow	Setaria lutescens	4.5 - 7	С	Do not exceed 8 pints
Crabgrass	Digitaria spp.	4.5 - 7	С	per acre per year.
Panicum, fall	Panicum dichatomiflorum	4.5 - 7	С	When this product is used in the
Lambsquarters, common	Chenopodium album	5 - 7	С	Southeastern U.S. on silage Corn, do not
Nightshade, black	Solanum nigrum	5 - 7	С	seed small grains until September.
Nightshade, hairy	Solanum sarachoides	5 - 7	С	When furrow irrigation is used on flat planted
Pigweed, redroot (Common)	Amaranthus retroflexus	5 - 7	С	Corn on the Western slope of Colorado, do not form furrows until
Tall waterhemp	Amaranthus spp.	5 - 7	С	Com is in the three- leaf stage.
Field sandbur'	Cenchrus pauciflorus	6-8	PC	Soils lacking enough
Wild proso millet <sup>1</sup>	Panicum miliaceum	6 - 8	PC	germination must be pre-imigated prior to
Woolly cupgrass <sup>1</sup>	Eriochloa viridis	6-8	PC	this product's application
Volunteer barley	Hordeum vulgare	5 - 7	PC	
Volunteer oats	Avena sativa	5 - 7	PC	
Volunteer wheat	Triticum aestivum	5-7	PC	
Wild oats	Avena fatua	5 - 7	С	
<sup>1</sup> Double incorporat	e to improve control.			

For band applications, calculate the amount to be applied per acre as follows:

band width in inches

broadcast rate per acre

= amount needed per acre of field

## TANK MIX COMBINATIONS

#### **BALANCE® HERBICIDE**

See Balance label for Balance use rates. Not labeled in all states. Please refer to the Balance label for precautionary statements, directions for use, and geographic and other restrictions. Refer to the use rate section of this product for minimum use rates.

## ATRAZINE HERBICIDE COMBINATIONS

For control of additional weeds and increased control of labeled broadleaf weeds, atrazine may be tank mixed and applied preplant incorporated with recommended use rates of this product.

Do not apply atrazine through any irrigation system.

Atrazine combinations may be impregnated on dry bulk fertilizer. See AP-PENDIX II and consult your local dealer for details including what fertilizers are compatible.

As an alternative, atrazine at recommended rates may be applied preemergence to the soil surface following a preplant incorporated treatment of this product at recommended rates.

If a preemergence application of atrazine is used, consult the directions on the atrazine label. A preemergence application of atrazine may require a rotary hoeing or shallow cultivation if rainfall or sprinkler irrigation has not occurred within 10 days of the surface application.

#### **GENERAL USE PRECAUTIONS FOR ATRAZINE**

Follow all the use precautions and warnings that appear on the atrazine label and supplemental literature.

Make only one application per crop.

After a treatment of atrazine do not plant any crop except Corn until the following year or injury may occur.

## CARRIERS

Liquids — The tankmix combinations may be applied using the same liquid carriers as this product used alone. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if the tankmix is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

**Dry bulk fertilizer** — Tankmixes with atrazine combinations may be impregnated on dry bulk fertilizer. Follow all directions and precautions listed on this label under this product applied alone on impregnated dry bulk fertilizer.

#### ADDING TO SPRAY TANK

It is recommended that the compatibility of any tankmix combination be tested on a small scale, such as a jar test, before actual tank mixing. See Appendix I for details on the procedure for such a test.

Fill a thoroughly rinsed and decontaminated spray tank two-thirds full of clean water.

Start and continue moderate agitation throughout mixing. Excessive agitation may cause the atrazine to settle out and set up in the spray tank.

All return lines to the spray tank must discharge below liquid level.

For some combinations, premixing wettable powders in a little water in a pail or bucket before adding them to the spray tank will improve the compatibility of the final mixture.

Premix the atrazine making sure it is thoroughly wetted and dispersed in the tank before adding this product.

Add this product to the tank that is two-thirds full of water already mixed with the approved tankmix product and continue filling tank.

The tankmix combination should not be left in the spray tank for prolonged periods. Batches should be mixed and applied the same day.

## VOLUME

Apply all tankmixes in 20 to 60 gallons of liquid per acre.

## PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern.

## SOIL MOISTURE AND TILTH

Same as for this product alone.

## INCORPORATION TIMING

Same as for this product alone

## INCORPORATION EQUIPMENT AND METHODS

Same as for this product alone.

Do not apply this product or atrazine through a center pivot sprinkler irrigation system.

## PLANTING

Same as for this product alone.

## CULTIVATION

Same as for this product alone.

Banvel®, 2,4-D, and Other Herbicides:

A sequential application of 2,4-D, Banvel®, Clarity®, Marksman®, Buctril®, Buctril®, Butrill/Atrazine, Basagran®, Laddok®, or other preemergence or postemergence herbicides may be necessary to control weeds not controlled by this product.

#### WEEDS CONTROLLED AND USE RATES

#### **TABLE 2: TANK MIX WITH ATRAZINE**

This product plus atrazine tankmix will control the additional weeds listed below and under unfavorable conditions, improve the control of broadleaf weeds listed in Table 1. Please refer to atrazine label for rates and weeds controlled.

Additional Weeds Controlled with Atrazine Tankmix Combination	Scientific Name	C = Control PC = Partial Control
Cocklebur, common	Xanthium pensylvanicum	PC
Jimsonweed	Datura stramonium	С
Kochia	Kochia scoparia	С
Mustard	Brassica spp.	С
Ragweed	Ambrosia spp.	С
Smartweed	Polygonum spp.	С
Thistle, Russian	Salsola kali	С
Velvetleaf	Abutilon theophrasti	С
Witchgrass	Panicum capillare	С

## **APPENDIX I**

Procedure for Testing the Compatibility of this product with Fluid Fertilizers and Tankmix Combinations

The following procedure is suggested for determining whether or not this product may be combined with a specific fluid fertilizer or tankmix herbicide for spray tank application.

#### **MATERIALS REQUIRED**

- 1. This product
- 2. Fluid fertilizer and tankmix herbicides
- 3. Adjuvant for spray tank mix combinations: Use any adjuvant cleared for use on growing crops under 40 CFR 180.1001 to improve the compatibility of this product. The adjuvant which provides the best emulsification depends on the specific herbicide under consideration.
- 4. Two one-quart, wide mouth glass jars with lid or stopper.
- Measuring spoons, a 25 mL pipette or graduated cylinder provides more accurate measurement.
- 6. Measuring cup, 8 ounces (237 mL).

## **PROCEDURE**

Pour a pint or about 473 mL of the fluid fertilizer or water into each of the quart jars.

Add adjuvant to one of the jars and mix. Two mL or two-fifths of a teaspoon of adjuvant added to 1 pint of fluid fertilizer or water will equal 3 pints of adjuvant per 100 gallons of fluid fertilizer or water.

If a tankmix is being tested, premix the wettable powders in one-eighth cup of water prior to addition to the pint of fluid fertilizer or water.

Add this product to both jars. See Table 3 for rate to use.

Close both jars with lid or stopper and mix the contents by turning the jars upside down ten times.

Inspect the surface and body of the mixture:

- Immediately after completing the jar inversions.
- · After allowing the jars to stand quietly for 30 minutes.
- And then again after turning the jars upside down 10 times after the 30 minute wait.

## **EVALUATION**

If a uniform mixture cannot be made, the mixture should not be used.

If either mixture remains uniform for 30 minutes, the combination may be used.

Should either mixture separate after 30 minutes, but readily remixes uniformly with ten jar inversions, the mixture can be used if adequate agitation is maintained in the tank.

If the mixture with adjuvant is satisfactory, but the one without adjuvant is not, be sure to use the adjuvant in the spray tank.

If adjuvant is needed, add it first at a rate of 3 pints per 100 gallons of fluid fertilizer or water.

Foaming can be minimized by using moderate agitation.

If nondispersible oil, sludge, or clumps of solids form in the mixture, the combination should not be used.

TABLE 3: RATE TABLE FOR THIS PRODUCT IN COMPATIBILITY TESTS

Gallons of Fluid	Adjus Add 1 Pi	unt of vant to to the int of	Liqu	id for	aspoo This P	roduc	t's Ra	te Lis	ted Be	low
Fertilizer to	Lic	quid	4 pt	s/A	5 pt	s./A	6 pt	s./A	7 pt	s./A
be Applied Per Acre	ml	Tsp	ml	Tsp	ml	Tsp	mł	Tsp	ml	Tsp
10 gals.	2	0.4	22.0	4.4	28.0	5.6	35.0	7	42.0	8.4
15 gals.	2	0.4	16.0	3.2	20.0	4	25.0	5	30.0	6
20 gals.	2	0.4	13.0	2.6	16.0	3.2	20.0	4	24.0	4.8
25 gals.	2	0.4	9.0	1.8	12.0	2.4	15.0	3	18.0	3.6
30 gals.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4
40 gals.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4

#### **APPENDIX II**

#### IMPREGNATION ON DRY BULK FERTILIZERS

Consult your local dealer for more details.

This product alone and tankmix combinations with atrazine may be impregnated on dry bulk fertilizer. Impregnation of dry bulk fertilizer with atrazine must be limited to 500 tons per day for no more than 30 days per calendar year per facility

Use Precautions: This product alone and in combination tankmixes must not be impregnated on ammonium nitrate, potassium nitrate, or sodium nitrate fertilizers. Such mixtures may cause explosion and fire

All individual state regulations relating to dry bulk fertilizer blending, registration, labeling, and application are the responsibility of the individual and/ or company selling the herbicide and fertilizer mixtures.

TABLE 4: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT ALONE

Fertilizer Ingredient	N	P	K
Ammonium sulfate	21	0	0
Diammonium phosphate	18	46	0
Potassium chloride	0	0	60
Potassium sulfate	0	0	52
Single Super-phosphate	0	20	0
Treble Super-phosphate	0	46	0
Urea*	45	0	0
Ammonium phosphate-sulfate	16	20	0
K-Mag/Sul-Po-Mag	0	0	21
Monoammonium phosphate	11	48	0

\*Some ureas may be phytotoxic when high rates are applied to Corn. Use only urea rates known to be safe for Com application.

TABLE 5: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT IN TANKMIX COMBINATIONS WITH ATRAZINE

N	P	K
21	0	0
18	46	0
0	0	60
0	0	52
0	20	0
0	46	0
45	0	0
16	20	0
0	0	21
11	48	0
	21 18 0 0 0 0 0 45	21 0 18 46 0 0 0 0 0 20 0 46 45 0 16 20 0 0

\*Some ureas may be phytotoxic when high rates are applied to Corn. Use only urea rates known to be safe for Corn application.

Do not combine this product plus Atrazine 4L or 80W with 0-20-0 or 0-46-0. Uniform impregnation of the herbicides on dry bulk fertilizer particles and uniform application in the field are necessary to assure good results.

A minimum of 200 and a maximum of 1200 pounds of approved impregnated ingredients from Tables 4 and 5 must be applied per acre-

Use a closed rotary drum mixer or similar type of closed blender equipped with suitable spray equipment.

The spray nozzle should be positioned inside of the mixer to provide uniform spray coverage of the tumbling fertilizer and provide a uniform fine spray pattern.

Tankmix combinations may be added separately or mixed in the proposed use ratio in a uniform slurry for joint spray impregnation.

Physical properties of fertilizers vary in liquid absorptive capacity. When absorptivity is sufficient, simple spray impregnation of the fertilizer with the herbicides provides a satisfactory, dry mixture.

When the absorptive capacity is not adequate, use of a drying agent is required to provide dry, free-flowing mixtures.

#### DRYING AGENT FOR SPINNING-DISC APPLICATORS

Micro-Cel® E calcium silicate powder

#### DRYING AGENTS FOR PNEUMATIC APPLICATORS

Micro-Cel E calcium silicate powder

Agsorb® 16/30 RVM-MS granular clay

Celatom® MP-79

Drying agents should be added separately and uniformly to the previously impregnated herbicide-fertilizer mixture to insure that the mixture is freeflowing. Generally the following amounts are sufficient:

Micro-Cel E calcium silicate powder less than 2% by weight Agsorb 16/30 RVM-MS granular clay less than 5% by weight Celatom MP-79 less than 5% by weight

The amount of this product and atrazine actually required in the manufacture of individual fertilizer mixtures should be determined carefully for each production operation (see Table 6). This is necessary to ensure that the amount of herbicide actually contained in the mixture applied to the soil represents the correct use rate.

#### PHYSICAL DATA

0.99 at 68°F (20°C) Specific Gravity: Pounds/Gallon: 8.27 at 68°F (20°C)

Flashpoint: >200°F

Sprayable down to minus 20°F (-29°C) Viscosity:

TABLE 6: RATE CHART FOR IMPREGNATION OF DRY BULK FERTIL-IZER WITH THIS PRODUCT AND ATRAZINE PER TON OF FERTILIZER

Fertilizer	This Product			Atrazi	ne 4L	Atrazine 80W		
Rate Per Acre	@ 4 pts./A	@ 5 pts./A	@ 6 pts./A	@ 2 pts./A			@ 2 lbs/A	
200 lbs.	20 qts.	25 qts.	30 qts.	10 qts.	15 qts.	12.5 lbs.	20 lbs.	
300 lbs.	13.33 qts.	16.66 qts.	20 qts.	6.66 qts.	10 qts.	8.33 lbs.	13.33 lbs.	
400 lbs.	10 qts.	12.5 qts.	15 qts.	5 qts.	7.5 qts.	6.25 lbs.	10 lbs.	
500 lbs.	8 qts.	10 qts.	12 qts.	4 qts.	6 qts.	5 lbs.	8 lbs.	
600 lbs.	6.66 qts.	8.25 qts.	10 qts.	3.33 qts.	5 qts.	4.2 lbs.	6.66 lbs.	
700 lbs.	5.75 qts.	7.25 qts.	8.5 qts.	2.82 qts.	4.25 qts.	3.66 lbs.	5.6 lbs.	

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. PESTICIDE STORAGE: Keep container tightly closed when not in use. Do not store near seed, fertilizer, or foodstuffs. Can be stored at temperatures as low as minus 25°F.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

FOR BULK AND MINI-BULK CONTAINERS CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

FOR MINI-BULK CONTAINERS: REFILL ONLY WITH THIS PRODUCT. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than this product will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

Circulation before dispensing is required.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

## WARRANTY—CONDITIONS OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

DoublePlay is a trademark of Syngenta Group Company.

Agsorb is a trademark of Oil-Dri Corporation of America

Balance and Buctril are trademarks of Bayer CropScience

Banvel, Basagran, Clarity, Laddok and Marksman are trademarks of BASF

Celetom is a trademark of Eagle-Picher Minerals, Inc.

Micro-Cel is a trademark of Celite Corporation, C/o World Minerals Inc.





October 27, 2005

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Rm. 266A, Crystal Mall 2
1801 South Bell Street
Arlington, VA 22202

Re: Submission of a Revised Label by Notification per PR Notice 2001-6
DREXEL POWER PLAY™ (EPA Reg. No. 19713-568)

## Herewith:

- 1. Completed EPA Form 8570-1
- 2. One (1) copy of the label (568SP-1005) with the following revision:

On page 2, under the heading 'Directions For Use' the phrase "Restricted Use Pesticide" was added per the 2003 EPA Label Review Manual.

I highlighted the revision for easy reference.

3. Certification Statement

If you have questions/clarification regarding this submission, I can be reached at (901) 774-4370 or e-mail Lchan@drexchem.com.

Thank you.

Respectfully yours,

FOR DREXEL CHEMICAL COMPANY

Luz G Chan

Registration Manager

Form Approved, OMB No. 2070-0060, Approval expires 2-28-95

	Registration
	Amendmen
1	Oakar

SEPA Environmental Prote					Registr Amend	ation	OPP Identifier Number	
	*****			✓				
		Application	on for Pesticid		11			
1. Company/Product Number 19713-568	or .			oduct Manager MPKINS		3. P	roposed Classification  None Restricted	
4. Company/Product (Name) DREXEL POWER PLAY			25/Her	bicide Branch	1			
Drexel Chemical Co	ompany, P.O. Bo		(b)(i), my to: EPA Re	product is sing. No	milar or iden	tical in co	n FIFRA Section 3(c)(3) emposition and labeling	
Gneck if this	s is a new address			t Name				
			Section - II					
Amendment - Explai	n below. ponse to Agency lette	ar dated		Final printed lab Agency letter de "Me Too" Appli	eted	2/	14/2005	
✓ Notification - Explain				Other - Explain I		_	MAR 1 0 2005	
1. Material Thie Product Wi	ll Be Packaged In:		Section - III		_			
Child-Resistant Packaging	Unit Packaging		Water Soluble Pac	ckaging	2. Type of	Containe		
Yes	Yes		Yes			Metal Plastic		
No	No		No			Glass		
Certification must be submitted	If "Yes" Unit Packaging wg	No. per t. container	If "Yes" Peckage wgt					
Label Contents	Information Container	4. Size(s) Re	tail Container	5. L	ocation of La	bel Directi	ons	
5. Manner in Which Label is	Affixed to Product	Lithog Paper Stend	graph glued iled	Other _				
			Section - IV		•			
I. Contact Point  Complete	items directly below	for identification	on of individual to be	contected, if ne	cessery, to p	rocess this	application.)	
Name LUZ G CHAN						Telephor (991) 77	one No. (Include Area Code)	
I certify that the state I acknowledge that as both under applicable	ny knowlinglly false o		stion I all attachments there	eto are true, ac		mplets.	6. Date Application Received (Stamped)	
2. Signatura Cuz G.			3. Title REGISTRATION MA	NAGER			-000	
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LUZ G CHAN	February 18, 2005							

W/Date Wainer (Date attacher)

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# RESTRICTED USE PESTICIDE

(Due To Oncogenicity)

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.



NOTIFICATION

MIAN I U ZUUS

Herbicide

Preplant incorporated herbicide for weed control (including Foxtails, Crabgrass, Barnyardgrass, and suppression of Woolly cupgrass, Wild proso millet and Field sandbur) in Field corn, production Seed corn, Silage corn, and Popcorn.

## **ACTIVE INGREDIENTS:**

EPTC: S-ethyl dipropylthiocarbamate	67.8%
Acetochlor: 2-Chloro-2-methyl-	
6-ethyl-N-ethoxymethylacetanilide	16.9%
OTHER INGREDIENTS:	15.3%
TOTAL:	100.0%

Contains 7.0 pounds of active ingredients per gallon, (5.6 lbs, EPTC per gallon and 1.4 lbs. acetochlor per gallon).

## KEEP OUT OF REACH OF CHILDREN WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See FIRST AID Below

EPA Reg. No. 19713-568 EPA Est. No. 19713-MS-1

**Net Contents:** 

## **FIRST AID**

## IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue

## IF ON SKIN OR CLOTHING:

- Take off contaminated clothing
- Rinse skin immediately with plenty of water for 15 to 20 minutes.

## IF SWALLOWED:

- · Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor
- Do not give anything by mouth to an unconscious person.

## IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

## Note to Physician

Probable mucosal damage may contraindicate the use of gastric lavage. This product contains EPTC, a thiocarbamate that inhibits cholinesterase. If symptoms of cholinesterase inhibition are present, atropine by injection is antidotal. Pralidoxime chloride (2-PAM) is NOT recommended as an antidote for this compound. Thiocarbamates have been shown in laboratory animals to cause a disulfiram (Antabuse) - type reaction in combination with alcohol.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

## Power Play is a trademark of Drexel Chemical Company,

## PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: Causes substantial but temporary eye injury and skin irritation. Harmful if swallowed or absorbed through skin. Do not get in eyes or on skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: Coveralls over shortsleeved shirt and short pants, chemical-resistant gloves made of any waterproof material such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, shoes plus socks and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse

Mixers and Loaders exposed to the concentrate must wear: a chemicalresistant apron

In addition to the above PPE, applicators applying dry bulk fertilizers with a specialized truck designed to treat more than 80 acres, must wear a NIOSH approved respirator with:

- an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH) approval number prefix TC-23C) or
- a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or
- a NIOSH approved respirator with an (OV) cartridge, or
- a canister with any N, R, P, or HE prefilter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry

## **ENGINEERING CONTROLS**

Commercial (for-hire) Handlers engaged in impregnating this product onto dry bulk fertilizer must:

- Wear the personal protective equipment required for mixers/loaders. except shoes may be substituted for chemical-resistant footwear
- Have immediately available for use in case of an accident a NIOSH approved respirator with:
  - an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix 1C-23C, or
  - a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or

  - ber prefix TC-14G), or a NIOSH approved respirator with an (OV) carridge, of a canister with any N, R, P, or HE prefilter.

· (Continued)



#### (Cont.)

When other handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 1 70.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

## **USE SAFETY RECOMMENDATIONS**

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## **ENVIRONMENTAL HAZARDS**

This product is toxic to fish and mammals. Do not apply directly to water, or to areas where water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Acetochlor demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soil are permeable, particularly where the groundwater is shallow, may result in groundwater contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

#### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forest, nursenes, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the REI of 12 hours. **Exception**: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, chemical-resistant gloves made of any waterproof material, and shoes plus socks.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN INJURY, POOR WEED CONTROL, OR ILLEGAL RESIDUES.

Power Play is a selective soil applied herbicide which must be mixed or incorporated into the soil for control of weeds listed on this label. This herbicide controls weeds by interfering with normal germination and seeding development. It will not control established or germinated weeds present at application.

## **USE RESTRICTIONS**

Do not apply to the following soils if groundwater depth is 30 feet or less: sand with less than 3% organic matter; loamy sand with less than 2% organic matter; or sandy loam with less than 1% organic mater.

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or

equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the targest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may nave in effect additional requirements regarding well head setbacks and operational containment.

Do not apply this product through any type of irrigation system. Do not use flood irrigation to apply or incorporate this product.

Product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures, or rinsates.

Do not apply under conditions which favor runoff or wind erosion of soil containing this product to nontarget areas. To prevent off-site movement due to runoff or wind erosion:

- Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface must first be settled by rainfall or irrigation.
- Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.
- Do not use tailwater from the first flood or furrow irrigation of treated fields to treat nontarget crops unless at least one-half inch of rainfall has occurred between application and the first irrigation.

Do not apply this product using aerial application equipment.

Do not apply when wind conditions favor drift to nontarget sites. To minimize spray drift to non-target areas:

- Use low pressure application equipment capable of producing a large droplet spray.
- Do not apply this product in a manner that allows spray to drift from the application target site and/or cause harm to humans, animals, or other non-target sites.
- · Do not use nozzles that produce a fine droplet spray.
- Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
- Keep ground-driven spray boom as low as possible above the target surface.
- Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid application when gusts approach 15 mph.

Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/ or high temperatures. Do not apply during inversion conditions.

## **GENERAL USE PRECAUTIONS**

Read all label directions before using.

Do not use this product on any crop other than Corn.

If crop treated with this product is lost, Corn may be replanted immediately. Do not make a second application of this product or equivalent product such as DoublePlay<sup>®</sup>.

This product can be stored at temperatures as low as minus 25°F.

This product should be used for recommended purposes and at recommended rates. Do not overdose.  $\label{eq:commended}$ 

This product is recommended for use only on mineral soils (those soils containing less than 10% organic matter).

Do not use this product on Corn seed stock such as Breeder's Foundation, or Increase.

This product may be used on production Seed corn.

Do not use this product on Sorghum or Milo.

Do not allow this product to contaminate water to be used or susceptible crops and ornamentals, or for domestic purposes.

Do not allow this product to contaminate feed or food.

This product should not be stored near seeds or fertilizers.

All containers of this product should be kept tightly closed when not in use.

This product will not harm the treated crop hor leave harmful soil residues past harvest when applied properly and environmental conditions exist for normal plant growth during the season.

Adverse conditions such as unusually cold and wet or hot and dry weather during germination and early growth; insect, nematode, or plant disease attack; carryover soil residues of persistent herbicides; or use of certain soil applied systemic insecticides can create abnormal conditions that weaken crop seedlings. This product used under these conditions could result in crop injury.

Continuous use of this product in the same fields consecutively year after year can, in some areas, lead to a decrease in the level of performance. As a precaution, fields treated with this product should be rotated with another crop or herbicide classification on an annual program.

ROTATIONAL CROPS: Com, Soybeans, Sorghum, or Tobacco may be planted the spring following application. Wheat may be planted 4 months after application.

Do not rotate to crops other than Corn, Soybeans, Sorghum, Tobacco, or Wheat.

#### APPLICATION DIRECTIONS

#### CARRIERS

Liquids - Either water or fluid fertilizers such as solutions, sturries, or suspensions may be used as liquid carriers. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if this product is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

Dry Bulk Fertilizer - This product may be impregnated on dry bulk fertilizer and applied as the fertilizer is spread.

Bulk fertilizer impregnated with this product should be applied immediately, not stored.

It is recommended that all bulk containers be tightly covered while the product is being transported and applied to reduce probability of EPTC loss via volatilization.

When application and incorporation are done in separate operations, impregnated fertilizer must be incorporated on the same day as applied.

When separate operations delay incorporation, applications must be made on a soil surface dry to one-half inch deep and free from dew and incidental moisture.

See APPENDIX II and consult your local dealer for details including what fertilizers are compatible.

#### **ADDING TO SPRAY TANK**

#### If this product is used alone:

Add the recommended amount to a clean (thoroughly rinsed and decontaminated) spray tank before it is half filled so that addition of the remaining water or fluid fertilizer carrier can aid in the thorough agitation and mixing of the spray solution.

#### If a tank mixture is used:

See directions under the TANK MIX COMBINATIONS section of this label,

## VOLUME

Apply in 10 to 60 gallons of water or fluid fertilizer per acre using a property calibrated sprayer having good agitation.

## PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern.

## SOIL MOISTURE AND TILTH

Improper incorporation or poor tilth such as large clods may result in erratic or unsatisfactory weed control.

The soil should be dry enough to permit good soil mixing or incorporation. Any application of this product that is not immediately incorporated in the same operation must be made to a soil surface dry to at least one-half inch deep and free from dew and incidental moisture.

## INCORPORATION TIMING

Application and incorporation should be done in the same operation when possible.

Applications in water or fluid fertilizer must not have more than a 4 hour delay between application and incorporation.

When application and incorporation are separate operations in the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product must be incorporated the same day as applied. See moisture statement above.

This product impregnated on dry bulk fertilizer must be incorporated on the same day as application. See moisture statement above.

## INCORPORATION EQUIPMENT AND METHODS

This product must be incorporated into the soil to prevent loss of the herbicide.

Field cultivator: Use on all soils in good tilth. Equip with 3 to 4 rows of sweeps spaced at 7 inches or less and staggered from row to row to leave no soil unturned or undisturbed. Set the field cultivator to cut 4 inches deep. Operate at 6 mph or more. Follow by a harrow or leveling device. Chisel plows or point should not be used. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, use two passes to improve control.

Tandem disc: Can be used on all soil types. Set disc to cut 4 inches deep. Operate disc at 4 to 6 mph. Follow disc by a harrow or teveling device slightly wider than that of the disc. Two passes in different directions will improve incorporation. On the second pass the disc should be operated 1 inch shallower than on the first pass. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, a second incorporation will improve control or suppression.

Sprinkler Irrigation: Do not apply this product by sprinkler irrigation. Use a sprinkler system only to incorporate this product after applying by ground equipment as follows:

In the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product may be surface applied immediately after planting.

See soil moisture statement above.

This product can then be incorporated using one-half to three-fourths inch of water within 36 hours following application.

Application and incorporation must be done within 5 days after the last tillage operation since poor results will occur if weeds have germinated.

#### PLANTING

Planting should occur as soon as possible after application and always within 2 weeks after treatment. Plant seed to maximum depth of 2 inches. Avoid moving or shaping soil after incorporation since this can remove this product from the row and result in a loss of weed control.

#### CHI TIVATION

Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control.

A shallow cultivation is less than one-half the depth of incorporation.

## WEEDS CONTROLLED AND USE RATES

Consult Table 1 below. Note "Comments and Restrictions" column in Table 1.

#### Table 1: This Product Broadcast Rate Per Acre

The annual broadleaf weeds listed below will be controlled only if treatment is made when conditions are favorable for weed seed germination and growth. Under prolonged conditions of very cold soil, control of the listed broadleaf weeds may not be adequate.

Annual Grass and Broadleaf Weeds	Scientific Name	U.S. (Except CA, AZ, FL) (pint)	C= Control PC= Partial Control	Comments and Restrictions
Barnyardgrass (Watergrass)	Echinochloa spp.	4.5 - 7	C	General
Foxtail, giant	Setaria faberi	4.5 - 7	С	Use the lower rate for
Foxtail, green	Setaria viridis	4.5 - 7	С	light infestations and coarse textured soils.
Foxtail, yellow	Setaria Iulescens	4.5 - 7	С	Do not exceed 8 pints
Crabgrass	Digitaria spp.	4.5 - 7	С	per acre per year.
Panicum, fall	Panicum dichotomiflorum	4.5 - 7	С	When this product is used in the
Lambsquarters, common	Chenopodium album	5 - 7	С	Southeastern U.S. on silage Corn, do not
Nightshade, black	Solanum nigrum	5 - 7	С	seed small grains until September.
Nightshade, hairy	Solanum sarachoides	5-7	С	When furrow irrigation is used on flat planted
Pigweed, redroot (Common)	Amaranthus retroflexus	5 - 7	С	Corn on the Western slope of Colorado, do not form furrows until
Tall waterhemp	Amaranthus spp.	5 - 7	С	Corn is in the three- leaf stage.
Field sandbur!		6 - 8	PC	Soils lacking enough
Wild proso millet	Panicum miliaceum	6 - 8	PC	moisture for seed germination must be pre-frigated prior to
Woolly cupgrass <sup>1</sup>	Eriochloa viridis	6 - 8	PC	this product's application
Volunteer barley	Hordeum vulgare	5 - 7	PC	
Volunteer oats	Avena sativa	5 - 7	PO	
Volunteer wheat	Triticum aestivum	5 - 7	PC	***
Wild oats	Avena fatua	5 - 7 • •	3.0	•

For band applications, calculate the amount to be applied per acre as follows:

row width in inches

broadcast rate per acre amount needed per acre of field

## TANK MIX COMBINATIONS

#### BALANCE® HERBICIDE

See Balance label for Balance use rates. Not labeled in all states. Please refer to the Balance label for precautionary statements, directions for use, and geographic and other restrictions. Refer to the use rate section of this product for minimum use rates.

#### ATRAZINE HERBICIDE COMBINATIONS

For control of additional weeds and increased control of labeled broadleaf weeds, atrazine may be tank mixed and applied preplant incorporated with recommended use rates of this product.

Do not apply atrazine through any irrigation system.

Atrazine combinations may be impregnated on dry bulk fertilizer. See AP-PENDIX II and consult your local dealer for details including what fertilizers are compatible.

As an alternative, atrazine at recommended rates may be applied preemergence to the soil surface following a preplant incorporated treatment of this product at recommended rates.

If a preemergence application of atrazine is used, consult the directions on the atrazine label. A preemergence application of atrazine may require a rotary hoeing or shallow cultivation if rainfall or sprinkler irrigation has not occurred within 10 days of the surface application.

## **GENERAL USE PRECAUTIONS FOR ATRAZINE**

Follow all the use precautions and warnings that appear on the atrazine label and supplemental literature.

Make only one application per crop.

After a treatment of atrazine do not plant any crop except Corn until the following year or injury may occur.

#### CARRIERS

Liquids — The tankmix combinations may be applied using the same liquid carriers as this product used alone. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if the tankmix is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

**Dry bulk fertilizer** — Tankmixes with atrazine combinations may be impregnated on dry bulk fertilizer. Follow all directions and precautions listed on this label under this product applied alone on impregnated dry bulk fertilizer.

## **ADDING TO SPRAY TANK**

It is recommended that the compatibility of any tankmix combination be tested on a small scale, such as a jar test, before actual tank mixing. See Appendix I for details on the procedure for such a test.

Fill a thoroughly rinsed and decontaminated spray tank two-thirds full of clean water.

Start and continue moderate agitation throughout mixing. Excessive agitation may cause the atrazine to settle out and set up in the spray tank.

All return lines to the spray tank must discharge below liquid level.

For some combinations, premixing wettable powders in a little water in a pail or bucket before adding them to the spray tank will improve the compatibility of the final mixture.

Premix the atrazine making sure it is thoroughly wetted and dispersed in the tank before adding this product.

Add this product to the tank that is two-thirds full of water already mixed with the approved tankmix product and continue filling tank.

The tankmix combination should not be left in the spray tank for prolonged periods. Batches should be mixed and applied the same day.

## VOLUME

Apply all tankmixes in 20 to 60 gallons of liquid per acre.

## PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern.

## SOIL MOISTURE AND TILTH

Same as for this product alone.

## INCORPORATION TIMING

Same as for this product alone

## INCORPORATION EQUIPMENT AND METHODS

Same as for this product alone.

Do not apply this product or atrazine through a center pivot sprinkler irrigation system.

## **PLANTING**

Same as for this product alone.

## CULTIVATION

Same as for this product alone.

Banvel®, 2,4-D, and Other Herbicides:

A sequential application of 2,4-D, Banvel®, Clarity®, Marksman®, Buctril®, BuctrilAtrazine, Basagran®, Laddok®, or other preemergence or postemergence herbicides may be necessary to control weeds not controlled by this product.

#### **WEEDS CONTROLLED AND USE RATES**

#### TABLE 2: TANK MIX WITH ATRAZINE

This product plus atrazine tankmix will control the additional weeds listed below and under unfavorable conditions, improve the control of broadleaf weeds listed in Table 1. Please refer to atrazine label for rates and weeds controlled.

Additional Weeds Controlled with Atrazine Tankmix Combination	Scientific Name	C = Control PC = Partial Control		
Cocklebur, common	Xanthium pensylvanicum	PC		
Jimsonweed	Datura stramonium	С		
Kochia	Kochia scoparia	С		
Mustard	Brassica spp.	С		
Ragweed	Ambrosia spp.	С		
Smartweed	Polygonum spp.	С		
Thistle, Russian	Salsola kali	С		
Velvetleaf	Abutilon theophrasti	С		
Witchgrass	Panicum capillare	С		

#### **APPENDIX I**

Procedure for Testing the Compatibility of this product with Fluid Fertilizers and Tankmix Combinations

The following procedure is suggested for determining whether or not this product may be combined with a specific fluid fertilizer or tankmix herbicide for spray tank application.

#### **MATERIALS REQUIRED**

- 1. This product
- 2. Fluid fertilizer and tankmix herbicides
- Adjuvant for spray tank mix combinations: Use any adjuvant cleared for use on growing crops under 40 CFR 180.1001 to improve the compatibility of this product. The adjuvant which provides the best emulsification depends on the specific herbicide under consideration.
- 4. Two one-quart, wide mouth glass jars with lid or stopper.
- Measuring spoons, a 25 mL pipette or graduated cylinder provides more accurate measurement.
- 6. Measuring cup, 8 ounces (237 mL).

## PROCEDURE

Pour a pint or about 473 mL of the fluid fertilizer or water into each of the quart jars.

Add adjuvant to one of the jars and mix. Two mL or two-fifths of a teaspoon of adjuvant added to 1 pint of fluid fertilizer or water will equal 3 pints of adjuvant per 100 gallons of fluid fertilizer or water.

If a tankmix is being tested, premix the wettable powders in one-eighth cup of water prior to addition to the pint of fluid fertilizer or water.

Add this product to both jars. See Table 3 for rate to use.

Close both jars with lid or stopper and mix the contents by turning the jars upside down ten times.

Inspect the surface and body of the mixture:

- · Immediately after completing the jar inversions.
- · After allowing the jars to stand quietly for 30 minutes.
- And then again after turning the jars upside down 10 times after the 30 minute wait.

## **EVALUATION**

If a uniform mixture cannot be made, the mixture should not be used.

If either mixture remains uniform for 30 minutes, the combination may be used.

Should either mixture separate after 30 minutes, but readily remixes uniformly with ten jar inversions, the mixture can be used if adequate agitation is maintained in the tank.

If the mixture with adjuvant is satisfactors but the one without adjuvant is not, be sure to use the adjuvant in the spray tank.

If adjuvant is needed, add it first at a rate of 3 pints per 100 gallons of fluid fertilizer or water.

Foaming can be minimized by using moderate agitation.

If nondispersible oil, sludge, or clumps of solids form in the mixture, the combination should not be used.

TABLE 3: RATE TABLE FOR THIS PRODUCT IN COMPATIBILITY TESTS

Gallons of Fluid Fertilizer to	Adju Add 1 P	d to the Pint of		Liquid for		L or Teaspoon to be Aduid for This Product's R		t's Ra			low
be Applied Per Acre	ml	Тѕр	ml	Тѕр	mi	Тѕр	ml	Тѕр	mi	Tsp	
10 gals.	2	0.4	22.0	4.4	28.0	5.6	35.0	7	42.0	8.4	
15 gals.	2	0.4	16.0	3.2	20.0	4	25.0	5	30.0	6	
20 gals.	2_	0.4	13.0	2.6	16.0	3.2	20.0	4	24.0	4.8	
25 gals.	2	0.4	9.0	1.8	12.0	2.4	15.0	3	18.0	3.6	
30 gals.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4	
40 gals.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4	

#### APPENDIX II

#### IMPREGNATION ON DRY BULK FERTILIZERS

Consult your local dealer for more details.

This product alone and tankmix combinations with atrazine may be impregnated on dry bulk fertilizer. Impregnation of dry bulk fertilizer with atrazine must be limited to 500 tons per day for no more than 30 days per calendar year per facility.

**Use Precautions:** This product alone and in combination tankmixes must not be impregnated on ammonium nitrate, potassium nitrate, or sodium nitrate fertilizers. Such mixtures may cause explosion and fire.

All individual state regulations relating to dry bulk fertilizer blending, registration, labeling, and application are the responsibility of the individual and/or company selling the herbicide and fertilizer mixtures.

TABLE 4: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT ALONE

Fertilizer Ingredient	N	P	Κ
Ammonium sulfate	21	0	0
Diammonium phosphate	18	46	0
Potassium chloride	0	0	60
Potassium sulfate	0	0	52
Single Super-phosphate	0	20	0
Treble Super-phosphate	0	46	0
Urea*	45	0	0
Ammonium phosphate-sulfate	16	20	0
K-Mag/Sul-Po-Mag	0	0	21
Monoammonium phosphate	11	48	0

\*Some ureas may be phytotoxic when high rates are applied to Corn. Use only urea rates known to be safe for Corn application.

TABLE 5: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT IN TANKMIX COMBINATIONS WITH ATRAZINE

Fertilizer Ingredient	N	P	K
Ammonium sulfate	21	0	0
Diammonium phosphate	18	46	0
Potassium chloride	0	0	60
Potassium sulfate	0	0	52
Single Super-phosphate	0	20	0
Treble Super-phosphate	0	46	0
Urea*	45	0	0
Ammonium phosphate-sulfate	16	20	0
K-Mag/Sul-Po-Mag	0	0	21
Monoammonium phosphate	11	48	0

\*Some ureas may be phytotoxic when high rates are applied to Com. Use only urea rates known to be safe for Com application.

Do not combine this product plus Atrazine 4L or 80W with 0-20-0 or 0-46-0. Uniform impregnation of the herbicides on dry bulk fertilizer particles and uniform application in the field are necessary to assure good results.

A minimum of 200 and a maximum of 1200 pounds of approved impregnated ingredients from Tables 4 and 5 must be applied per acre.

Use a closed rotary drum mixer or similar type of closed blender equipped with suitable spray equipment.

The spray nozzle should be positioned inside of the mixer to provide uniform spray coverage of the tumbling fertilizer and provide a uniform fine spray pattern.

Tankmix combinations may be added separately or mixed in the proposed use ratio in a uniform slurry for joint spray impregnation.

Physical properties of fertilizers vary in liquid absorptive capacity. When absorptivity is sufficient, simple spray impregnation of the fertilizer with the herbicides provides a satisfactory, dry mixture.

When the absorptive capacity is not adequate, use of a drying agent is required to provide dry, free-flowing mixtures.

## DRYING AGENT FOR SPINNING-DISC APPLICATORS

Micro-Cel® E calcium silicate powder

## DRYING AGENTS FOR PNEUMATIC APPLICATORS

Micro-Cel E calcium silicate powder

Agsorb® 16/30 RVM-MS granular clay

Celatom® MP-79

Drying agents should be added separately and uniformly to the previously impregnated herbicide-fertilizer mixture to insure that the mixture is free-flowing. Generally the following amounts are sufficient:

Micro-Cel E calcium silicate powder

Agsorb 16/30 RVM-MS granular clay

less than 2% by weight

Agsorb 16/30 RVM-MS granular clay
Celatom MP-79

less than 5% by weight less than 5% by weight

The amount of this product and atrazine actually required in the manufacture of individual fertilizer mixtures should be determined carefully for each production operation (see Table 6). This is necessary to ensure that the amount of herbicide actually contained in the mixture applied to the soil represents the correct use rate.

#### PHYSICAL DATA

Specific Gravity:

0.99 at 68°F (20°C)

Pounds/Gallon:

8.27 at 68°F (20°C)

Flashpoint:

>200°F

Viscosity: Sprayable down to minus 20°F (-29°C)

TABLE 6: RATE CHART FOR IMPREGNATION OF DRY BULK FERTILIZER WITH THIS PRODUCT AND ATRAZINE PER TON OF FERTILIZER

Fertilizer	Th	lizer This Product		Atrazi	ne 4L	Atrazine 80W		
Rate Per Acre	@ 4 pts/A	@ 5 pts./A	@ 6 pts/A	@ 2 pts/A	@ 3 pts/A	@ 1.25 lbs/A	@ 2 lbs/A	
						12.5		
200 lbs.	20 qts.	25 qts.	30 qts.	10 qts.	15 qts.	ibs.	20 lbs.	
	13.33	16.66		6.66		8.33	13.33	
300 lbs.	qts.	qts.	20 qts.	qts.	10 qts.	lbs.	lbs.	
		12.5				6.25		
400 lbs.	10 qts.	qts.	15 qts.	5 qts.	7.5 qts.	lbs.	10 lbs.	
500 lbs.	8 qts.	10 qts.	12 qts.	4 qts.	6 qts.	5 lbs.	8 lbs.	
		8.25		3.33			6.66	
600 lbs.	6.66 qts.	qts.	10 qts.	qts.	5 qts.	4.2 lbs.	lbs.	
		7.25		2.82	4.25	3.66		
700 lbs.	5.75 qts.	qts.	8.5 qts.	qts.	qts.	lbs.	5.6 lbs.	

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. **PESTICIDE STORAGE:** Keep container tightly closed when not in use. Do not store near seed, fertilizer, or foodstuffs. Can be stored at temperatures as low as minus 25°F.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke. FOR BULK AND MINI-BULK CONTAINERS CONTAINER DISPOSAL:

FOR BULK AND MINI-BULK CONTAINERS CONTAINER DISPOSAL:
Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or glean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dente, abrasions, and damaged or worn threads on closure devices.

FOR MINI-BULK CONTAINERS: REFILE ONLY WITH THIS PRODUCT.

The contents of this container cannot be completely removed by cleaning. Refilling with materials other than this product will result in contamination and may weaker container.

After filling and before transporting, check for leaks. Do not refill or transport damaged or deaking container.

Circulation before dispensing is required CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

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## WARRANTY-CONDITIONS OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

DoublePlay is a trademark of Syngenta Group Company.

Agsorb is a trademark of Oil-Dri Corporation of America

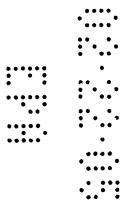
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Celetom is a trademark of Eagle-Picher Minerals, Inc.

Micro-Cel is a trademark of Celite Corporation, C/o World Minerals Inc.





# RESTRICTED USE PESTICIDE

(Due To Oncogenicity)

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.



NOTIFICATION MAR 1 0 2005

Herbicide

Preplant incorporated herbicide for weed control (including Foxtails, Crabgrass, Barnyardgrass, and suppression of Woolly cupgrass, Wild proso millet and Field sandbur) in Field corn, production Seed corn, Silage corn, and Popcorn.

## **ACTIVE INGREDIENTS:**

EPTC: S-ethyl dipropylthiocarbamate	67.8%
Acetochlor: 2-Chloro-2-methyl-	
6-ethyl-N-ethoxymethylacetanilide	16.9%
OTHER INGREDIENTS:	15.3%
TOTAL ·	100.0%

Contains 7.0 pounds of active Ingredients per gallon. (5.6 lbs. EPTC per gallon and 1.4 lbs. acetochlor per gallon).

# KEEP OUT OF REACH OF CHILDREN WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

## See FIRST AID Below

EPA Reg. No. 19713-568 EPA Est. No. 19713-MS-1

**Net Contents:** 

## **FIRST AID**

## IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- · Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye

## IF ON SKIN OR CLOTHING:

- Take off contaminated clothing
- · Rinse skin immediately with plenty of water for 15 to 20 minutes

## IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow
- Do not induce vomitting unless told to do so by a poison control center or
- Do not give anything by mouth to an unconscious person.

## IF INHALED:

- · Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

## Note to Physician

Probable mucosal damage may contraindicate the use of gastric lavage. This product contains EPTC, a thiocarbamate that inhibits cholinesterase. If symptoms of cholinesterase inhibition are present, atropine by injection is antidotal. Pralidoxime chloride (2-PAM) is NOT recommended as an antidote for this compound. Thiocarbamates have been shown in laboratory animals to cause a disulfiram (Antabuse) - type reaction in combination with alcohol.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

Power Play is a trademark of Drexel Chemical Company.

## PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: Causes substantial but temporary eye injury and skin irritation. Harmful if swallowed or absorbed through skin. Do not get in eyes or on skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: Coveralls over shortsleeved shirt and short pants, chemical-resistant gloves made of any waterproof material such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, shoes plus socks and protective eyewear. Discard clothing and other absorbent materials that have been drenched

or heavily contaminated with this product's concentrate. Do not reuse them.

Mixers and Loaders exposed to the concentrate must wear: a chemicalresistant apron

In addition to the above PPE, applicators applying dry bulk fertilizers with a specialized truck designed to treat more than 80 acres, must wear a NIOSH approved respirator with:

- an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH) approval number prefix TC-23C) or
- a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or
- a NIOSH approved respirator with an (OV) cartridge, or
- a canister with any N. R. P. or HE prefilter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## **ENGINEERING CONTROLS**

Commercial (for-hire) Handlers engaged in impregnating this product onto dry bulk fertilizer must:

- Wear the personal protective equipment required for mixers/loaders, except shoes may be substituted for chemical-resistant tootwear
- Have immediately available for use in case of an accident a NIOSH approved respirator with:
  - an organic-vapor removing cartridge with a prefiler approved for pesticides (MSHA/NIOSH approval number prefix TG-£3C, or a canister approved for pesticides (MSHA/NIOSH approval num-
  - ber prefix TC-14G), or a NIOSH approved respirator with an (OV) cartage, or-
  - a canister with any N, R, P, on WE prefilter.

. . (Continued)

Manufactured By: Drexel Chemical Company P.O. BOX 13327, MEMPHIS, TN 38110-0321

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#### (Cont.)

When other handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural peeticides [40 CFR 1 70.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for 'applicators and other handlers' and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

## **USE SAFETY RECOMMENDATIONS**

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

This product is toxic to fish and mammals. Do not apply directly to water, or to areas where water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Acetochlor demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soil are permeable, particularly where the groundwater is shallow, may result in groundwater contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forest, nursenes, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the REI of 12 hours. Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, chemical-resistant gloves made of any waterproof material, and shoes plus socks.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN INJURY, POOR WEED CONTROL, OR ILLEGAL RESIDUES.

Power Play is a selective soil applied herbicide which must be mixed or incorporated into the soil for control of weeds listed on this label. This herbicide controls weeds by interfering with normal germination and seedling development. It will not control established or germinated weeds present at application.

## **USE RESTRICTIONS**

Do not apply to the following soils if groundwater depth is 30 feet or less: sand with less than 3% organic matter; loamy sand with less than 2% organic matter; or sandy loam with less than 1% organic mater.

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or

equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding well head setbacks and operational containment.

Do not apply this product through any type of irrigation system. Do not use flood irrigation to apply or incorporate this product.

Product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures, or rinsates.

Do not apply under conditions which favor runoff or wind erosion of soil containing this product to nontarget areas. To prevent off-site movement due to runoff or wind erosion:

- Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface must first be settled by rainfall or irrigation.
- Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.
- Do not use tailwater from the first flood or furrow irrigation of treated fields to treat nontarget crops unless at least one-half inch of rainfall has occurred between application and the first irrigation.

Do not apply this product using aerial application equipment.

Do not apply when wind conditions favor drift to nontarget sites. To minimize spray drift to non-target areas:

- Use low pressure application equipment capable of producing a large droplet spray.
- Do not apply this product in a manner that allows spray to drift from the application target site and/or cause harm to humans, animals, or other non-target sites.
- · Do not use nozzles that produce a fine droplet spray.
- Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
- Keep ground-driven spray boom as low as possible above the target surface.
- Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph), Do not apply when wind velocity exceeds 15 mph. Avoid application when gusts approach 15 mph.

Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/ or high temperatures. Do not apply during inversion conditions.

## **GENERAL USE PRECAUTIONS**

Read all label directions before using.

Do not use this product on any crop other than Com.

If crop treated with this product is lost, Corn may be replanted immediately. Do not make a second application of this product or equivalent product such as DoublePlay<sup>e</sup>.

This product can be stored at temperatures as low as minus 25°F.

This product should be used for recommended purposes and at recommended rates. Do not overdose.

This product is recommended for use only on mineral soils (those soils containing less than 10% organic matter).

Do not use this product on Com seed stock such as Breeders, Foundation, or Increase.

This product may be used on production Seed corn.

Do not use this product on Sorghum or Milo.

Do not allow this product to contaminate water to be used on susceptible crops and ornamentals, or for domestic purposes.

Do not allow this product to contaminate feed of food. ••
This product should not be stored near speeds enfertilizes. •

All containers of this product should be kept tightly closed when not in

This product will not harm the treated crop nor leave harmful soil residues past harvest when applied properly and environmental conditions exist for normal plant growth during the season.

Adverse conditions such as unusually cold and wet or hot and dry weather during germination and early growth; insect, nematode, or plant disease attack; carryover soil residues of persistent herbicides; or use of ecertain soil applied systemic insecticides can create abnormal conditions that weaken crop seedlings. This product used under these conditions could result in crop injury.

Continuous use of this product in the same fields consecutively year after year can, in some areas, lead to a decrease in the level of performance. As a precaution, fields treated with this product should be rotated with another crop or herbicide classification on an annual program.

ROTATIONAL CROPS: Com, Soybeans, Sorghum, or Tobacco may be planted the spring following application. Wheat may be planted 4 months after application.

Do not rotate to crops other than Corn, Soybeans, Sorghum, Tobacco, or Wheat.

#### **APPLICATION DIRECTIONS**

#### CARRIERS

Liquids - Either water or fluid fertilizers such as solutions, slurries, or suspensions may be used as liquid carners. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if this product is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

**Dry Bulk Fertilizer** - This product may be impregnated on dry bulk fertilizer and applied as the fertilizer is spread.

Bulk fertilizer impregnated with this product should be applied immediately, not stored.

It is recommended that all bulk containers be tightly covered while the product is being transported and applied to reduce probability of EPTC loss via volatilization.

When application and incorporation are done in separate operations, impregnated fertilizer must be incorporated on the same day as applied.

When separate operations delay incorporation, applications must be made on a soil surface dry to one-half inch deep and free from dew and incidental moisture.

See APPENDIX II and consult your local dealer for details including what fertilizers are compatible.

## **ADDING TO SPRAY TANK**

## If this product is used alone:

Add the recommended amount to a clean (thoroughly rinsed and decontaminated) spray tank before it is half filled so that addition of the remaining water or fluid fertilizer carrier can aid in the thorough agitation and mixing of the spray solution.

#### If a tank mixture is used:

See directions under the TANK MIX COMBINATIONS section of this label.

## VOLUME

Apply in 10 to 60 gallons of water or fluid fertilizer per acre using a properly calibrated sprayer having good agitation.

## PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern.

## SOIL MOISTURE AND TILTH

Improper incorporation or poor tilth such as large clods may result in erratic or unsatisfactory weed control.

The soil should be dry enough to permit good soil mixing or incorporation. Any application of this product that is not immediately incorporated in the same operation must be made to a soil surface dry to at least one-half inch deep and free from dew and incidental moisture.

## INCORPORATION TIMING

Application and incorporation should be done in the same operation when possible.

Applications in water or fluid fertilizer must not have more than a 4 hour delay between application and incorporation.

When application and incorporation are separate operations in the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product must be incorporated the same day as applied. See moisture statement above.

This product impregnated on dry bulk fertilizer must be incorporated on the same day as application. See moisture statement above.

## INCORPORATION EQUIPMENT AND METHODS

This product must be incorporated into the soil to prevent loss of the herbicide.

Field cultivator: Use on all soils in good tilth. Equip with 3 to 4 rows of sweeps spaced at 7 inches or less and staggered from row to row to leave no soil unturned or undisturbed. Set the field cultivator to cut 4 inches deep. Operate at 6 mph or more. Follow by a harrow or leveling device. Chisel plows or point should not be used. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, use two passes to improve control.

Tandem dlsc: Can be used on all soil types. Set disc to cut 4 inches deep. Operate disc at 4 to 6 mph. Follow disc by a harrow or leveling device slightly wider than that of the disc. Two passes in different directions will improve incorporation. On the second pass the disc should be operated 1 inch shallower than on the first pass. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, a second incorporation will improve control or suppression.

**Sprinkler trrigation:** Do not apply this product by sprinkler irrigation. Use a sprinkler system only to incorporate this product after applying by ground equipment as follows:

In the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product may be surface applied immediately after planting.

See soil moisture statement above.

This product can then be incorporated using one-half to three-fourths inch of water within 36 hours following application.

Application and incorporation must be done within 5 days after the last tillage operation since poor results will occur if weeds have germinated.

#### PLANTING

Planting should occur as soon as possible after application and always within 2 weeks after treatment. Plant seed to maximum depth of 2 inches. Avoid moving or shaping soil after incorporation since this can remove this product from the row and result in a loss of weed control.

#### **CULTIVATION**

Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control.

A shallow cultivation is less than one-half the depth of incorporation.

#### **WEEDS CONTROLLED AND USE RATES**

Consult Table 1 below. Note "Comments and Restrictions" column in Table 1.

#### Table 1: This Product Broadcast Rate Per Acre

The annual broadleaf weeds listed below will be controlled only if treatment is made when conditions are favorable for weed seed germination and growth. Under prolonged conditions of very cold soil, control of the listed broadleaf weeds may not be adequate.

Annual Grass and Broadleaf Weeds	Scientific Name	U.S. (Except CA, AZ, FL) (pint)	C= Control PC= Partial Control	Comments and Restrictions
Barnyardgrass (Watergrass)	Echinochloa spp.	4.5 - 7	С	General
Foxtail, giant	Setaria faberi	4.5 - 7	С	Use the lower rate for light infestations and
Foxtail, green	Setaria viridis	4.5 - 7	С	coarse textured soils.
Foxtail, yellow	Setaria lutescens	. 4.5 - 7	С	Do not exceed 8 pints
Crabgrass	Digitaria spp.	4.5 - 7	С	per acre per year.
Panicum, fall	Panicum dichotomiflorum	4.5 - 7	C	When this product is used in the
Lambsquarters, common	Chenopodium album	5 - 7	C	Southeastem U.S. on silage Com, do not
Nightshade, black	Solanum nigrum	5 - 7	С	seed small grains until September.
Nightshade, hairy	Solanum sarachoides	5 - 7	C.	When furrow irrigation is used on flat planted
Pigweed, redroot (Common)	Amaranthus retroflexus	5 - 7	C	Com on the Western slope of Colorado, do not form furrows until
Tall waterhemp	Amaranthus spp.	5 - 7	С	Com is in the three- leaf stage.
Field sandbur¹	Cenchrus paucifiorus	6-8	PC	Soils lacking enough
Wild proso millet	Panicum miliaceum	6-8	PC	moisture for seed germination must be pre-integated prior to
Woolly cupgrass <sup>1</sup>	Eriochloa viridis	6-8	PC:	this products application
Volunteer barley	Hordeum · vulgare	5 - 7	PC	••
Volunteer oats	Avena sativa	5-7 •	· PC·	
Volunteer wheat	Triticum aestivum	5-7	PC	
Wild oats	Avena fatua	5 - 7	c •	

For band applications, calculate the amount to be applied per acre as follows:

band width in inches

broadcast rate per acre

amount needed per acre of field

## TANK MIX COMBINATIONS

## BALANCE® HERBICIDE

See Balance label for Balance use rates. Not labeled in all states. Please refer to the Balance label for precautionary statements, directions for use, and geographic and other restrictions. Refer to the use rate section of this product for minimum use rates.

## ATRAZINE HERBICIDE COMBINATIONS

For control of additional weeds and increased control of labeled broadleaf weeds, atrazine may be tank mixed and applied preplant incorporated with recommended use rates of this product.

Do not apply atrazine through any irrigation system.

Atrazine combinations may be impregnated on dry bulk fertilizer. See AP-PENDIX II and consult your local dealer for details including what fertilizers are compatible.

As an alternative, atrazine at recommended rates may be applied preemergence to the soil surface following a preplant incorporated treatment of this product at recommended rates.

If a preemergence application of atrazine is used, consult the directions on the atrazine label. A preemergence application of atrazine may require a rotary hoeing or shallow cultivation if rainfall or sprinkler irrigation has not occurred within 10 days of the surface application.

## **GENERAL USE PRECAUTIONS FOR ATRAZINE**

Follow all the use precautions and warnings that appear on the atrazine label and supplemental literature.

Make only one application per crop.

After a treatment of atrazine do not plant any crop except Corn until the following year or injury may occur.

#### CARRIERS

Liquids — The tankmix combinations may be applied using the same liquid carriers as this product used alone. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if the tankmix is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

Dry bulk fertilizer — Tankmixes with atrazine combinations may be impregnated on dry bulk fertilizer. Follow all directions and precautions listed on this label under this product applied alone on impregnated dry bulk fertilizer.

#### ADDING TO SPRAY TANK

It is recommended that the compatibility of any tankmix combination be tested on a small scale, such as a jar test, before actual tank mixing. See Appendix I for details on the procedure for such a test.

Fill a thoroughly rinsed and decontaminated spray tank two-thirds full of clean water.

Start and continue moderate agitation throughout mixing. Excessive agitation may cause the atrazine to settle out and set up in the spray tank.

All return lines to the spray tank must discharge below liquid level.

For some combinations, premixing wettable powders in a little water in a pail or bucket before adding them to the spray tank will improve the compatibility of the final mixture.

Premix the atrazine making sure it is thoroughly wetted and dispersed in the lank before adding this product.

Add this product to the tank that is two-thirds full of water already mixed with the approved tankmix product and continue filling tank.

The tankmix combination should not be left in the spray tank for prolonged periods. Batches should be mixed and applied the same day.

## VOLUME

Apply all tankmixes in 20 to 60 gallons of figuid per acre.

## PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern.

## SOIL MOISTURE AND TILTH

Same as for this product alone.

## INCORPORATION TIMING

Same as for this product alone

## INCORPORATION EQUIPMENT AND METHODS

Same as for this product alone.

Do not apply this product or atrazine through a center pivot sprinkler irrigation system.

## PLANTING

Same as for this product alone.

## CULTIVATION

Same as for this product alone.

Banvel®, 2,4-D, and Other Herbicides:

A sequential application of 2,4-D, Banver, Clarity, Marksman, Buctril, Buctril/Atrazine, Basagran, Laddok, or other preemergence or postemergence herbicides may be necessary to control weeds not controlled by this product.

#### WEEDS CONTROLLED AND USE RATES

#### TABLE 2: TANK MIX WITH ATRAZINE

This product plus atrazine tankmix will control the additional weeds listed below and under unfavorable conditions, improve the control of broadleaf weeds listed in Table 1. Please refer to atrazine label for rates and weeds controlled.

Additional Weeds Controlled with Atrazine Tankmix Combination	Scientific Name	C = Control PC ≃ Partial Contro	
Cocklebur, common	Xanthium pensylvanicum	PC	
Jimsonweed	Datura stramonium	С	
Kochia	Kochia scoparia	С	
Mustard	Brassica spp.	С	
Ragweed	Ambrosia spp.	С	
Smartweed	Polygonum spp.	С	
Thistle, Russian	Salsola kali	С	
Velvetleaf	Abutilon theophrasti	С	
Witchgrass	Panicum capillare	С	

## APPENDIX I

Procedure for Testing the Compatibility of this product with Fluid Fertilizers and Tankmix Combinations

The following procedure is suggested for determining whether or not this product may be combined with a specific fluid fertilizer or tankmix herbicide for spray tank application.

#### MATERIALS REQUIRED

- 1. This product
- 2. Fluid fertilizer and tankmix herbicides
- Adjuvant for spray tank mix combinations: Use any adjuvant cleared for use on growing crops under 40 CFR 180,1001 to improve the compatibility of this product. The adjuvant which provides the best emulsification depends on the specific herbicide under consideration.
- 4. Two one-quart, wide mouth glass jars with lid or stopper.
- Measuring spoons, a 25 mL pipette or graduated cylinder provides more accurate measurement.
- 6. Measuring cup, 8 ounces (237 mL).

## PROCEDURE

Pour a pint or about 473 mL of the fluid fertilizer or water into each of the quart lars.

Add adjuvant to one of the jars and mix. Two mL or two-fifths of a teaspoon of adjuvant added to 1 pint of fluid fertilizer or water will equal 3 pints of adjuvant per 100 gallons of fluid fertilizer or water.

If a tankmix is being tested, premix the wettable powders in one-eighth cup of water prior to addition to the pint of fluid fertilizer or water.

Add this product to both jars. See Table 3 for rate to use.

Close both jars with lid or stopper and mix the contents by turning the jars upside down ten times.

Inspect the surface and body of the mixture:

- · Immediately after completing the jar inversions.
- After allowing the jars to stand quietly for 30 minutes.
- And then again after turning the jars upside down 10 times after the 30 minute wait.

## **EVALUATION**

If a uniform mixture cannot be made, the mixture shouldenot be used.

If either mixture remains uniform for 30 minutes, the combination may be used.

Should either mixture separate after 30 minutes but readily remixes uniformly with ten jar inversions, the mixture can be used if adequate agitation is maintained in the tank.

If the mixture with adjuvant is satisfactory, but the one althour adjuvant is not, be sure to use the adjuvant in the spray tank.

If adjuvant is needed, add it first at a rate of a pints per 100 gallons of fluid fertilizer or water.

Foaming can be minimized by using moderate agitation.

If nondispersible oil, sludge, or clumps of solids form in the mixture, the combination should not be used.

TABLE 3: RATE TABLE FOR THIS PRODUCT IN COMPATIBILITY TESTS

Gallons of Fluid Fertilizer to	1 Pint of		Liqu			roduc	e Add et's Ra	te Lis		low
be Applied Per Acre	ml	Tsp	ml	Твр	ml	Тѕр	ml	Tsp	ml	Tsp
10 gals.	2	0.4	22.0	4.4	28.0	5.6	35.0	7	42.0	8.4
15 gals.	2	0.4	16.0	3.2	20.0	4	25.0	5	30.0	6
20 gals.	2	0.4	13.0	2.6	16.0	3.2	20.0	4	24.0	4.8
25 gals.	2	0.4	9.0	1.8	12.0	2.4	15.0	3	18.0	3.6
30 gals.	2	0,4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4
40 gals.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4

#### APPENDIX II

#### IMPREGNATION ON DRY BULK FERTILIZERS

Consult your local dealer for more details.

This product alone and tankmix combinations with atrazine may be impregnated on dry bulk fertilizer. Impregnation of dry bulk fertilizer with atrazine must be limited to 500 tons per day for no more than 30 days per calendar year per facility.

Use Precautions: This product alone and in combination tankmixes must not be impregnated on ammonium nitrate, potassium nitrate, or sodium nitrate fertilizers. Such mixtures may cause explosion and fire.

All individual state regulations relating to dry bulk fertilizer blending, registration, labeling, and application are the responsibility of the individual and/ or company selling the herbicide and fertilizer mixtures.

TABLE 4: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT ALONE

Fertifizer Ingredient	N	P	K
Ammonium sulfate	21	0	0
Diammonium phosphate	18	46	0
Potassium chloride	0	0	60
Potassium sulfate	0	0	52
Single Super-phosphate	0	20	0
Treble Super-phosphate	0	46	0
Urea*	45	0	0
Ammonium phosphate-sulfate	16	20	0
K-Mag/Sul-Po-Mag	0	0	21
Monoammonium phosphate	11	48	0

\*Some ureas may be phytotoxic when high rates are applied to Corn. Use only urea rates known to be safe for Corn application.

TABLE 6: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT IN TANKMIX COMBINATIONS WITH ATRAZINE

Fertilizer Ingredient	N	P	K
Ammonium sulfate	21	0	0
Diammonium phosphate	18	46	0
Potassium chloride	0	0	60
Potassium sulfate	0	0	52
Single Super-phosphate	0	20	0
Treble Super-phosphate	0	46	0
Urea*	45	0	0
Ammonium phosphate-sulfate	16	20	0
K-Mag/Sul-Po-Mag	0	0	21
Monoammonium phosphate	11	48	0

\*Some ureas may be phytotoxic when high rates are applied to Corn. Use only urea rates known to be safe for Corn application.

Do not combine this product plus Atrazine 4L or 80W with 0-20-0 or 0-46-0. Uniform impregnation of the herbicides on dry bulk fertilizer particles and uniform application in the field are necessary to assure good results.

A minimum of 200 and a maximum of 1200 pounds of approved impregnated ingredients from Tables 4 and 5 must be applied per acre.

Use a closed rotary drum mixer or similar type of closed blender equipped with suitable spray equipment.

The spray nozzle should be positioned inside of the mixer to provide uniform spray coverage of the tumbling fertilizer and provide a uniform fine spray pattern.

Tankmix combinations may be added separately or mixed in the proposed use ratio in a uniform slurry for joint spray impregnation.

Physical properties of fertilizers vary in liquid absorptive capacity. When absorptivity is sufficient, simple spray impregnation of the fertilizer with the herbicides provides a satisfactory, dry mixture.

When the absorptive capacity is not adequate, use of a drying agent is required to provide dry, free-flowing mixtures.

## DRYING AGENT FOR SPINNING-DISC APPLICATORS

Micro-Cel® E calcium silicate powder

## DRYING AGENTS FOR PNEUMATIC APPLICATORS

Micro-Cel E calcium silicate powder

Agsorb® 16/30 RVM-MS granular clay

Celatom® MP-79

Drying agents should be added separately and uniformly to the previously impregnated herbicide-fertilizer mixture to insure that the mixture is free-flowing. Generally the following amounts are sufficient:

Micro-Cel E calcium silicate powder

less than 2% by weight

Agsorb 16/30 RVM-MS granular clay

less than 5% by weight

Celatom MP-79

less than 5% by weight

The amount of this product and atrazine actually required in the manufacture of individual fertilizer mixtures should be determined carefully for each production operation (see Table 6). This is necessary to ensure that the amount of herbicide actually contained in the mixture applied to the soil represents the correct use rate.

#### PHYSICAL DATA

Specific Gravity:

0.99 at 68°F (20°C)

Pounds/Gallon:

8.27 at 68°F (20°C)

Flashpoint: Viscosity:

Sprayable down to minus 20°F (-29°C)

# TABLE 6: RATE CHART FOR IMPREGNATION OF DRY BULK FERTILIZER WITH THIS PRODUCT AND ATRAZINE PER TON OF FERTILIZER

Fertilizer	Th	is Produ	ct	Atraz	ine 4L	Atrazine 80W		
Rate Per Acre	Ø 4 pts/A	Ø 5 pts/A	Ø 6 pts/A	© 2 pts/A	Ø 3 pts/A	@ 1.25 lbs/A	@ 2 lbs/A	
200 lbs.	20 qts.	25 qts.	30 qts.	10 qts.	15 qts.	12.5 lbs.	20 lbs	
300 lbs.	13.33 qts.	16.66 qts.	20 qts.	6.66 qts.	10 qts.	8.33 lbs.	13.33 lbs.	
400 lbs.	10 qts.	12.5 qts.	15 qts.	5 qts.	7.5 qts.	6.25 lbs.	10 lbs	
500 lbs.	8 qts.	10 qts.	12 qts.	4 qts.	6 qts.	5 lbs.	8 lbs.	
600 lbs.	6.66 qts.	8.25 qts.	10 qts.	3.33 qts.	5 qts.	4.2 lbs.	6.66 lbs.	
700 lbs.	5.75 qts.	7.25 qts.	8.5 qts.	2.82 qts.	4.25 qts.	3.66 lbs.	5.6 lbs	

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. PESTICIDE STORAGE: Keep container tightly closed when not in use. Do not store near seed, fertilizer, or foodstuffs. Can be stored at temperatures as low as minus 25°F.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

FOR BULK AND MINI-BULK CONTAINERS CONTAINER DISPOSAL:
Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect fibroughly for damage such as cracks, punctures, bulges, deals, abrasions, and damaged or worn threads on closure devices.

FOR MINI-BULK CONTAINERS: REFILL ONLY WITH THIS PRODUCT.
The contents of this container cannot be completely removed by cleaning. Refilling with materials other than this product will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

Circulation before dispensing is required.

CONTAINER IS NOT SAFE FOR FOOD FEED, OR DRINKING WATER!

....

## WARRANTY-CONDITIONS OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall the Manufacturer or the Seller be liable for conse-

In no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in structure accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

DoublePlay is a trademark of Syngerta Group Company.

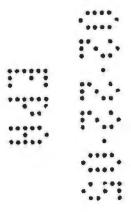
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Micro-Cel is a trademark of Celite Corporation, C/o World Minerals Inc.

Drexel Chemical Company
P.O. BOX 13327, MEMPHIS, TN 38113-0327
SINCE 1972





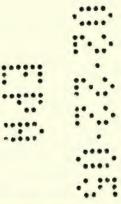
February 18, 2005

Submission of Final Label by Notification per EPA's Letter dd.2/14/2005 DREXEL POWER PLAY (EPA Reg. No. 19713-568)

This notification is consistent with the Provisions of PR Notice 98-10 and EPA Regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

FOR DREXEL CHEMICAL COMPANY

LUZ G CHAN Registration Manager





February 18, 2005

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Rm 266A, Crystal Mall 2
1801 Bell Street
Arlington, VA 22202

Re: Submission of Final Label per EPA's Letter Dated February 14, 2005 DREXEL POWER PLAY (EPA Reg. No. 19713-568)

Reference is made to the above. Herewith, please find:

- 1. Completed EPA Form 8570-1.
- 2. Two (2) copies of the final label (568SP-0205++) for your record and file.

Please take note that "Manufactured For" was changed to "Manufactured By"

3. Required certification statement

If you have questions/clarification regarding this submission, I can be reached at (901) 774-4370 or e-mail <a href="mailto:Lchan@drexchem.com">Lchan@drexchem.com</a>.

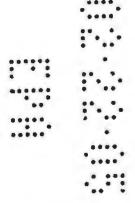
Thank you.

Respectfully yours,

FOR DREXEL CHEMICAL COMPANY

Luz G Chan

Registration Manager





U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460

NOTICE OF PESTICIDE:

\_x Registration

Reregistration

(under FIFRA, as amended)

EPA Reg. Number: 19713-

FEE 1 4 2005

568

Conditional

Name of Pesticide Product:

Drexel Power Play Herbicide

Name and Address of Registrant (include ZIP Code):

Drexel Chemical Company 1700 Channel Avenue P. O. 13327 Memphis, TN 38113-0327

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

- 1. Submit the results of the one year storage stability (830.6317) and corrosion characteristics (830.6320) studies once they are completed.
- 2. Submit/cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
- 3. Add the phrase "EPA Registration No. 19713-568" before you release the product for shipment.
- 4. Submit two (2) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of this product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Signature of Approving Official:
Viekee & Walters Jew James a Tompteins

Date:

2/14/05

## RESTRICTED USE PESTICIDE

(Due To Oncogenicity)

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OF PERSONS UNDER THEIR DIRECT CURCLEVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

# ACCEPTED

гЕв 1 4 2005

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended for the pesticide registered under EPA Reg. No. / 9713-568







# Power Play™

Herbicide

Preplant incorporated herbicide for weed control (including Foxtails, Crabgrass, Barnyardgrass, and suppression of Woolly cupgrass, Wild proso millet and Field sandbur) in Field corn, production Seed corn, Silage corn, and Popcorn.

## ACTIVE INGREDIENT:

EPTC: S-ethyl dipropylthiocarbamate Acetochlor: 2-Chloro-2-methyl-	67.8%
6-ethyl-N-ethoxymethylacetanilide	16.9%
OTHER INGREDIENTS:	15.3%
TOTAL:	100.0%

Contains 7.0 pounds of active ingredients per gallon, (5.6 lbs. EPTC per gallon and 1,4 lbs. acetochlor per gallon).

# WARNING / AVISO

Si usted no entiende la etiquela, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See FIRST AID Below

EPA Reg. No. 19713-

EPA Est. No.

**Net Contents:** 

## **FIRST AID**

## IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

## IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes

## IF SWALLOWED

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vorniting unless told to do so by a poison control center or doctor.
- · Do not give anything by mouth to an unconscious person.

## IF INHALED:

- · Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

## Note to Physician

Probable mucosal damage may contraindicate the use of gastric lavage. This product contains EPTC, a thiocarbamate that inhibits cholinesterase. If symptoms of cholinesterase inhibition are present, atropine by injection is antidotal. Pralidoxime chloride (2-PAM) is NOT recommended as an antidote for this compound. Thiocarbamates have been shown in laboratory animals to cause a disuffiram (Antabuse) - type reaction in combination with alcohol.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

## Power Play is a trademark of Drexel Chemical Company.

## PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: Causes substantial but temporary eye injury and skin irritation. Harmful if swallowed or absorbed through skin. Do not get in eyes or on skin or clothing, Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: Coveralls over shortsleeved shirt and short pants, chemical-resistant gloves made of any waterproof material such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, shoes plus socks and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Mixers and Loaders exposed to the concentrate must wear: a chemicalresistant apron.

In addition to the above PPE, applicators applying dry bulk fertilizers with a specialized truck designed to treat more than 80 acres, must wear a NIOSH approved respirator with:

- an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH) approval number prefix TC-23C) or
- a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or
- · a NIOSH approved respirator with an (OV) cartridge, or
- a canister with any N, R, P, or HE prefilter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## **ENGINEERING CONTROLS**

Commercial (for-hire) Handlers engaged in Impregnating this product onto dry bulk fertilizer must:

- Wear the personal protective equipment required for mixers/loaders, except shoes may be substituted for chemical-resistant footwear
- Have immediately available for use in case of an accident a NIOSH approved respirator with:
  - an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C, or
  - a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or
  - · a NIOSH approved respirator with an (OV) cartridge, or
  - a canister with any N, R, P, or HE prefilter.

(Continued)



#### (Cont.)

When other handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 1 70.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS iMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

## **USE SAFETY RECOMMENDATIONS**

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

This product is toxic to fish and mammals. Do not apply directly to water, or to areas where water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Acetochlor demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soil are permeable, particularly where the groundwater is shallow, may result in groundwater contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

#### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forest, nursenes, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the REI of 12 hours. Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, chemical-resistant gloves made of any waterproof material, and shoes plus socks.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LA-BEL MAY RESULT IN INJURY, POOR WEED CONTROL, OR ILLEGAL RESIDUES

Power Play is a selective soil applied herbicide which must be mixed or incorporated into the soil for control of weeds listed on this label. This herbicide controls weeds by interfering with normal germination and seedling development. It will not control established or germinated weeds present at application.

## USE RESTRICTIONS

Do not apply to the following soils if groundwater depth is 30 feet or less: sand with less than 3% organic matter; loamy sand with less than 2% organic matter; or sandy loam with less than 1% organic mater.

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or

equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding well head setbacks and operational containment.

Do not apply this product through any type of irrigation system. Do not use flood irrigation to apply or incorporate this product.

Product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures, or rinsates.

Do not apply under conditions which favor runoff or wind erosion of soil containing this product to nonlarget areas. To prevent off-site movement due to runoff or wind erosion:

- Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface must first be settled by rainfall or irrigation.
- Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.
- Do not use tailwater from the first flood or furrow irrigation of treated fields to treat nontarget crops unless at least one-half inch of rainfall has occurred between application and the first irrigation.

Do not apply this product using aerial application equipment.

Do not apply when wind conditions favor drift to nontarget sites. To minimize spray drift to non-target areas:

- Use low pressure application equipment capable of producing a large droplet spray.
- Do not apply this product in a manner that allows spray to drift from the application target site and/or cause harm to humans, animals, or other non-target sites.
- . Do not use nozzles that produce a fine droplet spray.
- Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
- Keep ground-driven spray boom as low as possible above the target surface.
- Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid application when gusts approach 15 mph.

Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/ or high temperatures. Do not apply during inversion conditions.

## **GENERAL USE PRECAUTIONS**

Read all label directions before using.

Do not use this product on any crop other than Corn.

If crop treated with this product is lost, Corn may be replanted immediately. Do not make a second application of this product or equivalent product such as DoublePlay\*.

This product can be stored at temperatures as low as minus 25°F.

This product should be used for recommended purposes and at recommended rates. Do not overdose.

This product is recommended for use only on mineral soils (those soils containing less than 10% organic matter).

Do not use this product on Corn seed stock such as Breeders, Foundation, or Increase.

This product may be used on production Seed corn.

Do not use this product on Sorghum or Milo

Do not allow this product to contaminate water to be used on susceptible crops and ornamentals, or for domestic purposes.

Do not allow this product to contaminate feed or food.

This product should not be stored near seeds or fertilizers.

All containers of this product should be kept tightly closed when not in use.

This product will not harm the treated crop nor leave harmful soil residues past harvest when applied properly and environmental conditions exist for normal plant growth during the season.

Adverse conditions such as unusually cold and wet or hot and dry weather during germination and early growth; insect, nematode, or plant disease attack; carryover soil residues of persistent herbicides; or use of certain soil applied systemic insecticides can create abnormal conditions that weaken crop seedlings. This product used under these conditions could result in crop injury.

Continuous use of this product in the same fields consecutively year after year can, in some areas, lead to a decrease in the level of performance. As a precaution, fields treated with this product should be rotated with another crop or herbicide classification on an annual program.

ROTATIONAL CROPS: Corn, Soybeans, Sorghum, or Tobacco may be planted the spring following application. Wheat may be planted 4 months after application.

Do not rotate to crops other than Corn, Soybeans, Sorghum, Tobacco, or Wheat.

## APPLICATION DIRECTIONS

#### CARRIERS

Liquids - Either water or fluid fertilizers such as solutions, slurries, or suspensions may be used as liquid carriers. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if this product is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

Dry Bulk Fertilizer - This product may be impregnated on dry bulk fertilizer and applied as the fertilizer is spread.

Bulk fertilizer impregnated with this product should be applied immediately, not stored.

It is recommended that all bulk containers be tightly covered while the product is being transported and applied to reduce probability of EPTC loss via volatilization.

When application and incorporation are done in separate operations, impregnated fertilizer must be incorporated on the same day as applied.

When separate operations delay incorporation, applications must be made on a soil surface dry to one-half inch deep and free from dew and incidental moisture.

See APPENDIX II and consult your local dealer for details including what fertilizers are compatible.

#### ADDING TO SPRAY TANK

#### If this product is used alone:

Add the recommended amount to a clean (thoroughly rinsed and decontaminated) spray tank before it is half filled so that addition of the remaining water or fluid fertilizer carrier can aid in the thorough agitation and mixing of the spray solution.

## If a tank mixture is used:

See directions under the TANK MIX COMBINATIONS section of this label.

## VOLUME

Apply in 10 to 60 gallons of water or fluid fertilizer per acre using a properly calibrated sprayer having good agitation.

## PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern.

## SOIL MOISTURE AND TILTH

Improper incorporation or poor tilth such as large clods may result in erratic or unsatisfactory weed control.

The soil should be dry enough to permit good soil mixing or incorporation. Any application of this product that is not immediately incorporated in the same operation must be made to a soil surface dry to at least one-half inch deep and free from dew and incidental moisture.

## INCORPORATION TIMING

Application and incorporation should be done in the same operation when

Applications in water or fluid fertilizer must not have more than a 4 hour delay between application and incorporation.

When application and incorporation are separate operations in the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product must be incorporated the same day as applied. See moisture statement above.

This product impregnated on dry bulk fertilizer must be incorporated on the same day as application. See moisture statement above.

## INCORPORATION EQUIPMENT AND METHODS

This product must be incorporated into the soil to prevent loss of the herbicide.

Flefd cultivator: Use on all soils in good tilth. Equip with 3 to 4 rows of sweeps spaced at 7 inches or less and staggered from row to row to leave no soil unturned or undisturbed. Set the field cultivator to cut 4 inches deep. Operate at 6 mph or more. Follow by a harrow or leveling device. Chisel plows or point should not be used. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, use two passes to improve control.

Tandem disc: Can be used on all soil types. Set disc to cut 4 inches deep, Operate disc at 4 to 8 mph. Follow disc by a harrow or leveling device slightly wider than that of the disc. Two passes in different directions will improve incorporation. On the second pass the disc should be operated 1 inch shallower than on the first pass, If Field sandbur, Wild prose millet and/or Woolly cupgrass are present, a second incorporation will improve control or suppression.

Sprinkler Irrigation: Do not apply this product by sprinkler irrigation. Use a sprinkler system only to incorporate this product after applying by ground equipment as follows:

In the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product may be surface applied immediately after planting.

See soil moisture statement above.

This product can then be incorporated using one-half to three-fourths inch of water within 36 hours following application.

Application and incorporation must be done within 5 days after the last tillage operation since poor results will occur if weeds have germinated

#### PLANTING

Planting should occur as soon as possible after application and always within 2 weeks after treatment. Plant seed to maximum depth of 2 inches.

Avoid moving or shaping soil after incorporation since this can remove this product from the row and result in a loss of weed control.

#### CULTIVATION

Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control.

A shallow cultivation is less than one-half the depth of incorporation.

#### WEEDS CONTROLLED AND USE RATES

Consult Table 1 balow. Note "Comments and Restrictions" column in Table 1.

#### Table 1: This Product Broadcast Rate Per Acre

The annual broadleaf weeds listed below will be controlled only if treatment is made when conditions are favorable for weed seed germination and growth. Under prolonged conditions of very cold soil, control of the listed broadleaf weeds may not be adequate.

Annual Grass and Broadleaf Weeds	Scientific Name	U.S. (Except CA, AZ, FL) (pint)	C= Control PC= Partial Control	Comments and Restrictions				
Bamyardgrass (Watergrass)	Echinochloa spp.	4.5 - 7	С	General				
Foxtail, giant	Setaria faberi	4.5 - 7	С	Use the lower rate for				
Foxtail, green	Setaria viridis	4.5 - 7	С	light infestations and coarse textured soils.				
Foxtail, yellow	Setaria lutescens	4.5 - 7	С	Do not exceed 8 pints				
Crabgrass	Digitaria spp.	4.5 - 7	С	per acre per year.				
Panicum, fall	Panicum dichotomiflorum	4.5 - 7	С	When this product is used in the				
Lambsquarters, common	Chenopodium album	5 - 7	С	Southeastern U.S. on silage Com, do not				
Nightshade, black	Solanum nigrum	5-7	С	seed small grains until September.				
Nightshade, hairy	Solanum sarachoides	5-7	С	When furrow irrigation is used on flat planted				
Pigweed, redroot (Common)	Amaranthus retroflexus	5 - 7	С	Com on the Western slope of Colorado, do not form furrows until				
Tall waterhemp	Amaranthus spp.	5-7	С	Com is in the three- leaf stage.				
Field sandbur <sup>1</sup>	Cenchrus pauciflorus	6-8	PC	Soils lacking enough				
Wild proso millet1	Panicum miliaceum	6-8	PC	germination must be pre-imigated prior to				
Woolly cupgrass¹	Eriochloa viridis	6-8	PC	this product's application				
Volunteer barley	Hordeum vulgare	5-7	PC					
Volunteer oats	Avena sativa	5-7	PC					
Volunteer wheat	Triticum aestivum	5-7	PC					
Wild oats	Avena fatua	5 - 7	С					

For band applications, calculate the amount to be applied per acre as follows:

band width in inches

broadcast rate per acre amount needed per acre of field

#### TANK MIX COMBINATIONS

#### BALANCE® HERBICIDE

See Balance label for Balance use rates. Not labeled in all states. Please refer to the Balance label for precautionary statements, directions for use, and geographic and other restrictions. Refer to the use rate section of this product for minimum use rates.

#### ATRAZINE HERBICIDE COMBINATIONS

For control of additional weeds and increased control of labeled broadleaf weeds, atrazine may be tank mixed and applied preplant incorporated with recommended use rates of this product.

Do not apply atrazine through any irrigation system.

Atrazine combinations may be impregnated on dry bulk fertilizer. See AP-PENDIX II and consult your local dealer for details including what fertilizers are compatible.

As an alternative, atrazine at recommended rates may be applied preemergence to the soil surface following a preplant incorporated treatment of this product at recommended rates.

If a preemergence application of atrazine is used, consult the directions on the atrazine label. A preemergence application of atrazine may require a rotary hoeing or shallow cultivation if rainfall or sprinkler irrigation has not occurred within 10 days of the surface application.

#### GENERAL USE PRECAUTIONS FOR ATRAZINE

Follow all the use precautions and warnings that appear on the atrazine label and supplemental literature.

Make only one application per crop.

After a treatment of atrazine do not plant any crop except Corn until the following year or injury may occur.

#### CADDIEDS

Liquids — The tankmix combinations may be applied using the same liquid carriers as this product used alone. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if the tankmix is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

**Dry bulk fertilizer** — Tankmixes with atrazine combinations may be impregnated on dry bulk fertilizer. Follow all directions and precautions listed on this label under this product applied alone on impregnated dry bulk fertilizer.

## ADDING TO SPRAY TANK

It is recommended that the compatibility of any tankmix combination be tested on a small scale, such as a jar test, before actual tank mixing. See Appendix I for details on the procedure for such a test.

Fill a thoroughly rinsed and decontaminated spray tank two-thirds full of clean water.

Start and continue moderate agitation throughout mixing. Excessive agitation may cause the atrazine to settle out and set up in the spray tank.

All return lines to the spray tank must discharge below liquid level.

For some combinations, premixing wettable powders in a little water in a pail or bucket before adding them to the spray tank will improve the compatibility of the final mixture.

Premix the atrazine making sure it is thoroughly wetted and dispersed in the tank before adding this product.

Add this product to the tank that is two-thirds full of water already mixed with the approved tankmix product and continue filling tank.

The tankmix combination should not be left in the spray tank for prolonged periods. Batches should be mixed and applied the same day.

## VOLUME

Apply all tankmixes in 20 to 60 gallons of liquid per acre.

## PRESSURE

Use 20 to 40 psi to ensure geod distribution in the spray pattern.

## SOIL MOISTURE AND TILTH

Same as for this product alone.

## INCORPORATION TIMING

Same as for this product alone

## INCORPORATION EQUIPMENT AND METHODS

Same as for this product alone.

Do not apply this product or atrazine through a center pivol sprinkler irrigation system.

## PLANTING

Same as for this product alone.

## CULTIVATION

Same as for this product alone.

Banvel®, 2,4-D, and Other Herbicides:

A sequential application of 2,4-D, Banvel®, Clarity®, Marksman®, Buctril®, Buctril®, Buctril®, Basagran®, Laddok®, or other preemergence or postemergence herbicides may be necessary to control weeds not controlled by this product.

#### WEEDS CONTROLLED AND USE RATES

#### **TABLE 2: TANK MIX WITH ATRAZINE**

This product plus atrazine tankmix will control the additional weeds listed below and under unfavorable conditions, improve the control of broadleaf weeds listed in Table 1. Please refer to atrazine label for rates and weeds controlled.

Additional Weeds Controlled with Atrazine Tankmix Combination	Scientific Name	C = Control PC = Partial Control
Cocklebur, common	Xanthium pensylvanicum	PC
Jimsonweed	Datura stramonium	C
Kochia	Kochia scoparia	С
Mustard	Brassica spp.	С
Ragweed	Ambrosia spp.	С
Smartweed	Polygonum spp.	С
Thistle, Russian	Salsola kali	С
Velvetleaf	Abutilon theophrasti	С
Witchgrass	Panicum capillare	С

#### APPENDIX I

Procedure for Testing the Compatibility of this product with Fluid Fertilizers and Tankmix Combinations

The following procedure is suggested for determining whether or not this product may be combined with a specific fluid fertilizer or tankmix herbicide for spray tank application.

#### **MATERIALS REQUIRED**

- 1. This product
- 2. Fluid fertilizer and tankmix herbicides
- Adjuvant for spray tank mix combinations: Use any adjuvant cleared for use on growing crops under 40 CFR 180.1001 to improve the compatibility of this product. The adjuvant which provides the best emulsification depends on the specific herbicide under consideration.
- 4. Two one-quart, wide mouth glass jars with lid or stopper.
- Measuring spoons, a 25 mL pipette or graduated cylinder provides more accurate measurement.
- 6. Measuring cup, 8 ounces (237 mL).

## PROCEDURE

Pour a pint or about 473 mL of the fluid fertilizer or water into each of the quart jars.

Add adjuvant to one of the jars and mix. Two mL or two-fifths of a teaspoon of adjuvant added to 1 pint of fluid fertilizer or water will equal 3 pints of adjuvant per 100 gallons of fluid fertilizer or water.

If a tankmix is being tested, premix the weltable powders in one-eighth cup of water prior to addition to the pint of fluid fertilizer or water.

Add this product to both jars. See Table 3 for rate to use

Close both jars with fid or stopper and mix the contents by turning the jars upside down ten times.

Inspect the surface and body of the mixture:

- · Immediately after completing the jar inversions.
- After allowing the jars to stand quietly for 30 minutes.
- And then again after turning the jars upside down 10 times after the 30 minute wait.

## EVALUATION

If a uniform mixture cannot be made, the mixture should not be used. If either mixture remains uniform for 30 minutes, the combination may be used.

Should either mixture separate efter 30 minutes, but readily remixes uniformly with ten jar inversions, the mixture can be used if adequate agitation is maintained in the tank.

If the mixture with adjuvant is satisfactory, but the one without adjuvant is not, be sure to use the adjuvant in the spray tank.

If adjuvant is needed, add it first at a rate of 3 pints per 100 gallons of fluid fertilizer or water.

Foaming can be minimized by using moderate agitation.

If nondispersible oil, sludge, or clumps of solids farm in the mixture, the combination should not be used.

TABLE 3: RATE TABLE FOR THIS PRODUCT IN COMPATIBILITY TESTS

Gallons of Fluid Fertilizer to	Amount of Adjuvant to Add to the 1 Pint of Liquid		mL or Teaspoon to be Ar Liquid for This Product's 4 pts/A 5 pts/A 6							low
be Applied Per Acre	ml-	Тѕр	m	Тѕр	ml	Тзр	mt	Тѕр	ml	Tsp
10 gals.	2	0.4	22.0	4.4	28.0	5.6	35.0	7	42.0	8.4
15 gals.	2	0.4	16.0	3.2	20.0	4	25.0	5	30.0	6
20 gals.	2	0.4	13.0	2.8	18.0	3.2	20.0	4	24.0	4.8
25 gals.	2	0.4	9.0	1.8	12.0	2.4	15.0	3	18.0	3.6
30 gals.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4
40 gals.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4

#### APPENDIX II

## IMPREGNATION ON DRY BULK FERTILIZERS

Consult your local dealer for more details.

This product alone and tankmix combinations with atrazine may be impregnated on dry bulk fertilizer. Impregnation of dry bulk fertilizer with atrazine must be limited to 500 tons per day for no more than 30 days per calendar year per facility.

Use Precautions: This product alone and in combination tankmixes must not be impregnated on ammonium nitrate, potassium nitrate, or sodium nitrate fertilizers. Such mixtures may cause explosion and fire.

All individual state regulations relating to dry bulk fertilizer blending, registration, labeling, and application are the responsibility of the individual and/ or company selling the herbicide and fertilizer mixtures.

TABLE 4: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT ALONE

0 46 0 0 20	0 0 60 52
0	60
0	
	52 0
20	0
46	0
0	0
20	0
0	21
48	0
	20

TABLE 5: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT IN TANKMIX COMBINATIONS WITH ATRAZINE

N	Р	K
21	0	0
18	46	0
0	0	60
0	0	52
0	20	0
0	46	0
45	0	0
16	20	0
0	0	21
11	48	0
	21 18 0 0 0 0 0 45	21 0 18 46 0 0 0 0 0 20 0 46 45 0 16 20 0 0

known to be safe for Com application.

Do not combine this product plus Atrazine 4L or 80W with 0-20-0 or 0-46-0. Uniform impregnation of the herbicides on dry bulk fertilizer particles and uniform application in the field are necessary to assure good results.

A minimum of 200 and a maximum of 1200 pounds of approved impregnated ingredients from Tables 4 and 5 must be applied per acre.

Use a closed rotary drum mixer or similar type of closed blender equipped with suitable spray equipment.

The spray nozzle should be positioned inside of the mixer to provide uniform spray coverage of the tumbling fertilizer and provide a uniform fine spray pattern.

Tankmix combinations may be added separately or mixed in the proposed use ratio in a uniform slurry for joint spray impregnation.

Physical properties of fertilizers vary in liquid absorptive capacity. When absorptivity is sufficient, simple spray impregnation of the fertilizer with the herbicides provides a satisfactory, dry mixture.

When the absorptive capacity is not adequate, use of a drying agent is required to provide dry, free-flowing mixtures.

#### DRYING AGENT FOR SPINNING-DISC APPLICATORS

Micro-Cel® E calcium silicate powder

#### DRYING AGENTS FOR PNEUMATIC APPLICATORS

Micro-Cel E calcium silicate powder

Agsorb® 16/30 RVM-MS granular clay

Celatom® MP-79

Drying agents should be added separately and uniformly to the previously impregnated herbicide-fertilizer mixture to insure that the mixture is freeflowing. Generally the following amounts are sufficient:

Micro-Cel E calcium silicate powder Agsorb 16/30 RVM-MS granular clay 'less than 2% by weight

less than 5% by weight

Celatom MP-79

less than 5% by weight

The amount of this product and atrazine actually required in the manufacture of individual fertilizer mixtures should be determined carefully for each production operation (see Table 6). This is necessary to ensure that the amount of herbicide actually contained in the mixture applied to the soil represents the correct use rate.

#### **PHYSICAL DATA**

Specific Gravity:

0.99 at 68°F (20°C)

Pounds/Gallon: Flashpoint:

8.27 at 68°F (20°C)

>200°F

Viscosity: Sprayable down to minus 20°F (-29°C)

## TABLE 8: RATE CHART FOR IMPREGNATION OF DRY BULK FERTIL-IZER WITH THIS PRODUCT AND ATRAZINE PER TON OF FERTILIZER

Fertilizer	This Product			Atrazi	ne 4L	Atrazine 80W		
Rate Per Acre	@ 4 pts./A	@ 5 pts./A	@ 6 pts/A	@ 2 pts./A	@ 3 pts/A	@ 1.25 lbs/A	@ 2 lbs/A	
200 ibs.	20 qts.	25 qts.	30 qts.	10 qts.	15 qts.	12.5 lbs.	20 lbs.	
300 lbs.	13.33 qts.	16.66 qts.	20 qts.	6.66 qts.	10 qts.	8.33 lbs.	13.33 lbs.	
400 lbs.	10 qts.	12.5 qts.	15 qts.	_5 qts.	7.5 qts.	6.25 lbs.	10 lbs.	
500 lbs.	8 qts.	10 qts.	12 qts.	4 qts.	6 qts.	5 lbs.	8 lbs.	
600 lbs.	6.66 qts.	8.25 qts.	10 qts.	3.33 qts.	5 qts.	4.2 lbs.	6.68 lbs.	
700 lbs.	5.75 qts.	7.25 qts.	8.5 qts.	2.82 qts.	4.25 qts.	3.66 lbs.	5.6 lbs.	

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. PESTICIDE STORAGE: Keep container tightly closed when not in use. Do not store near seed, fertilizer, or foodstuffs. Can be stored at temperatures as low as minus 25°F.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL; Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

FOR BULK AND MINI-BULK CONTAINERS CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

FOR MINI-BULK CONTAINERS: REFILL ONLY WITH THIS PRODUCT. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than this product will result in contamination and may weaken container.

After filling and before transporting, check for leaks. Do not refill or transport damaged or leaking container.

Circulation before dispensing is required.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

## WARRANTY-CONDITIONS OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in tuse of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

DoublePlay is a trademark of Syngenta Group Company.

Agsorb is a trademark of Oil-Dri Corporation of America

Balance and Buctril are trademarks of Bayer CropScience

Banvel, Basagran, Clarity, Laddok and Marksman are trademarks of BASF

Celetom is a trademark of Eagle-Picher Minerals, Inc.

Micro-Cel is a trademark of Celite Corporation, C/o World Minerals Inc.



## Note For Records

Name of Product: Dredel Power Play

EPA Registration No./ File Symbol 14713-LAI (568)

Submission Date: Several rubmissions to realise Gener Petetien

11/30/64 Label Dato matrix

Received Date: 1/ 12/04 Remadaffa to pay

2/1/05 apyof letter to stowar offering to pay for andew product date

2/8/05 Copya/ letter by Leven withdrawing petition

Description of Action: Resulve label defendens 11/18/04 letter a resche errors by Bowan Petition against registeration - not receiving offer to pay.

1/12/04 data mather addressed aut tot and rubulted copies of offen often to pury for Technical, Did not indicate offen to pury for acute lope about date on endure product

2/1/05 Copy of letter of Bowan officing to pay for end-use product dates 2/8/05 Copy of letter from Bowen (dated 2/2/05) withdrawing publish.

Review of label ande cute lated so submitted 11/30/04 is acceptable

Draft ry Letter 2/10/05 waiting of oh to Reguter

Bezul on 2/14/05 conversation between Donald Stubbs & Jim Tompkins Regenter Product.

Signature and Date: Vickie K Walters 2/14/05

<b>≎EPA</b>	Environmenta	Inited States	on Agency	<b>/</b>	Registration Amendme Other	n	OPP Identifier Number		
		Application	n for Pesticide -	Section I					
1. Company/Product Number 19713-LAI			JIM TOMPH				osed Classification		
4. Company/Product (Name) DREXEL POWER PLA			PM#						
5. Name and Address of App Drexel Chemical Co MEMPHIS, TN 3811	mpany, P.O. Box		6. Expedite (b)(i), my pro to:	d Reveiw. oduct is simil		in com	IFRA Section 3(c)(3) position and labeling		
			Section - II						
Amendment - Explain  Resubmission in resp  Notification - Explain	onse to Agency letter	deted <u>11/1</u>	8/2004 Ager	printed labels ncy letter date Too* Applicat or - Explain bel	tion.				
Five (5) copies of the revised Submitted is also a copy of the of Drexel's registration of Dre A change in brand name is a	ne Letter of Certification exel EPTC Technical (1	n with Respect t 9713-557) appr	o Citation of Data and Dat oved by the Agency on Ap	ta Matrix dated ril 19, 2004.	September 16,	2003 tha	anying this submission. t was submitted in support		
1. Material This Product Wil	1								
Yes No Certification must be submitted	No No No. per Unit Packaging wat container		Yes No	No Plastic Glass Paper					
3. Location of Net Contents	Information ontainer	4. Size(s) Ret	ail Container	5. Loc	ation of Label C				
6. Manner in Which Label is	Affixed to Product	Lithog Paper Stenci	raph glued fed	Other					
			Section - IV						
1. Contact Point   Complete	items directly below t	for identificatio	n of individual to be cont	ected, if nece	ssary, to proce	ss this a	oplication.)		
Name LUZ G CHAN							phone No. (Include Area Code) 1) 774-4370		
	y knowlingly false or		tion all attachments thereto a tement may be punishab			te.	3. Date Application Received (Stamped)		
2. Signature Cuz C. Ch	,			GER	Parami i su				
4. Typed Name LUZ G CHAN	November 30, 2004								



November 30, 2004

Document Processing Desk (APPL)
Office of Pesticide Programs (7504C)
US Environmental Protection Agency
Room 266A, Crystal Mall 2
1801 South Bell Street
Arlington, VA 22202

ATTN: Mr. Jim Tompkins, PM 25, Herbicide Branch

Re: Submission of Response to EPA Letter Dated November 18, 2004
DREXEL ACETOCHLOR PLUS EPTC HERBICIDE (EPA File Symbol 19713-LAI)

Dear Mr. Tompkins,

Herewith:

- 1. Completed EPA Form 8570-1
- A copy of Certification with Respect to Citation of Data (Form 8570-34) and Data Matrix (Form 8570-35) submitted to the Agency on September 17, 2003 in support of our application for Drexel EPTC Technical (19713-557) and was approved by the Agency on April 19, 2004.

In view of the above, Drexel believes that it has already satisfied the data requirements for the EPTC component of our proposed product.

- Five (5) copies of the revised label (568ASP-1104-1104++Pending). Please take note that in addition to your comments, the following changes were made:
  - In the Agricultural Use Requirements box, we deleted "protective eyewear" from the PPE required for early entry to treated areas. The 1999 EPTC RED has no requirement for "protective eyewear' for early entry to treated areas.
  - ii) The statement "Failure to follow......or illegal residues." was added.
  - iii) Also, under the Directions for Use, "Do not apply this product.......or other non-target sites." was added.
  - iv) On page 5, under the heading 'APPENDIX II', 'Caution' was changed to "Use Precautions". Also, "SOW" was corrected to "80W".
  - v) Kindly take note also that we have corrected the statement in your Comment # 8 to read "IMPORTANT: When reduced PPE is worn because a closed system is used, handlers must be provided all PPE specified above......breakdown." per the 2003 EPA Label Review Manual.
  - vi) Drexel also request that the brand name be changed from 'Drexel Acetochlor Plus EPTC Herbicide' to 'DREXEL POWER PLAY'.



If you have questions/clarification regarding this submission, I can be reached at (901) 774-4370. My e-mail address is Lchan@drexchem.com.

Thank you.

Respectfully yours, DREXEL CHEMICAL COMPANY

Luz & Chan

Registration Manager



Luz Chan <lchan@drexchem.com> 02/08/2005 12:54 PM To Jim Tompkins/DC/USEPA/US@EPA, Vickie Walters/DC/USEPA/US@EPA

cc Stanley Bernard <sbernard@drexchem.com>, Les Shockey <lesshockey@drexchem.com>

bcc

Subject Drexel Double Play (19713-LAI)

Mr. Tompkins, here is the signed letter from Gowan withdrawing their petition to deny the application of the above sent to EPA on February 2, 2005.

We request a fax copy of your registration approval. Our fax no. is (901) 774-4666.

Thank you for your help.



Luz G Chan AcetEPTCWithdraw.pdf

#### LATHAM&WATKINS LLP

February 2, 2005

Mr. Jim Jones
Director, Office of Pesticide Programs
U.S. Environmental Protection Agency
Ariel Rios Building
Room 2333
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

555 Eleventh Street, N.W., Suite 1000 Washington, O.C. 20004-1304 Tel: (202) 637-2200 Fax: (202) 637-2201 www.hv.com

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Tokyo Washington, D.C.

RE: EPTC: Petition of Gowan Company to Cease Processing and Deny the Application of Drexel Chemical Company for Registration of EPTC

Dear Mr. Jones:

In light of ongoing discussions between Petitioner Gowan Company and Respondent Drexel Chemical Company, Gowan hereby withdraws this petition, without prejudice to refile the petition if the matter is not settled.

Sincerely

Kenneth W. Weinstein

Counsel for Gowan Company

KWW/jc

cc:

Stanley Bernard Lois Rossi

Bob Perlis

DC\719013.2

555 Eleventh Street, N.W., Suite 1000 Washington, D.C. 20004-1304

## LATHAM&WATKINS

Mr. Stanley Bernard Vice President Drexel Chemical Company P.O. Box 13327 Memphis, TN 38113-0327



Jim Tompkins/DC/USEPA/US

02/01/2005 01:53 PM

To Gautam Srinivasan/DC/USEPA/US@EPA

Vickie Walters/DC/USEPA/US@EPA

bcc

Subject Fw: Power Play (19713-LAI)

Attorney Client Communication

Jim and Vickie-



---- Forwarded by Jim Tompkins/DC/USEPA/US on 02/01/2005 01:39 PM ----



Luz Chan lchan@drexchem.com> 02/01/2005 09:57 AM

To Jim Tompkins/DC/USEPA/US@EPA

CC

Subject Power Play (19713-LA!)

Per your request, attached is the letter of offer to pay you need.

Thank you,

Luz G Chan AcetEPTCoffertopay.pdf



BY CERTIFIED MAIL: 7002 2410 0000 5054 7092

January 28, 2005

Gowan P.O. Box 5569 Yuma, AZ 85366-5569

Drexel Chemical Company is applying for registration of DREXEL POWER PLAY (EPA File Symbol 19713-LAI) containing Acetochlor plus EPTC as the active ingredients.

In EPA's Data Submitters List for the said active ingredients, your company is listed as having data on file with the Agency.

In accordance with Sections 3(c)(1)(F) and 3(c)(2)(B) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, this letter constitutes our offer to:

- (1) Pay compensation to the extent required by FIFRA for studies accepted by EPA that apply to the registration, and
- (2) Commence negotiations to determine which data are subject to the compensation regulations of FIFRA and the amount and terms of compensation, if any.

This offer is contingent upon approval of this application. If we have not received your response within 90 days, we will assume that you have no data that is considered compensable under FIFRA Sections 3(c)(1)(F) and 3(c)(2)(B).

Sincerely.

Roy W. Olson

Business Development Manager

U.S. Postal Service TM
CERTIFIED MAIL TO RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.ticos.comp
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Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees \$ 4.42

Total Postage & Fees \$ 4.42

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Street, Apt. No.; P. O. Cox 5566
City, State, 21P44
Vuma, A2 853440-5669
PS Form 3800, June 2002
See Reverse for Instructions

4.

Gautam Srinivasan/DC/USEPA/US 01/13/2005 04:32 PM To Jim Tompkins/DC/USEPA/US@EPA, Vickie Walters/DC/USEPA/US@EPA

CÇ

bcc

Subject Re: Fw: Offer to Pay for 19713-LAI Drexel Power Play □

Attorney Client Communication



Jim Tompkins/DC/USEPA/US



Jim Tompkins/DC/USEPA/US

01/12/2005 03:15 PM

To Gautam Srinivasan/DC/USEPA/US@EPA

CC

Subject Fw: Offer to Pay for 19713-LAI Drexel Power Play



---- Forwarded by Jim Tompkins/DC/USEPA/US on 01/12/2005 03:06 PM -----



Luz Chan <lchan@drexchem.com> 01/12/2005 02:13 PM

To Jim Tompkins/DC/USEPA/US@EPA

cc Vickie Walters/DC/USEPA/US@EPA

Subject RE: Offer to Pay for 19713-LAI Drexel Power Play

Mr. Tompkins, Ms. Walters,

Please find attached the Letter of Agreement between Gowan and Drexel. Also, attached is the letter of offer to pay to Syngenta dated September 16, 2003.

At that time of our application for registration of Drexel EPTC Technical, Gowan is not in the EPA Data Submitter's List. From the attached Gowan letter, they seem to be responding to our letter of offer to pay to Syngeta.

Thank you. Luz G Chan

----Original Message-----

From: Tompkins.Jim@epamail.epa.gov [mailto:Tompkins.Jim@epamail.epa.gov]

Sent: Wednesday, January 12, 2005 10:08 AM

To: Luz Chan

Cc: Walters. Vickie@epamail.epa.gov

Subject: RE: Offer to Pay for 19713-LAI Drexel Power Play

To resolve Gowan's petition to deny, EPA's attorneys have requested that you submit to the Agency a copy of your offer to pay to Gowan. Please send a copy of your response to Vickie Walters and myself.

Luz Chan clchan@drexchem.

12/27/2004 05:19 PM Jim Tompkins/DC/USEPA/US@EPA

CC

To

Subject

RE: Offer to Pay for 19713-LAI

Drexel Power Play

Mr. Tompkins, please find attached the revised Data Matrix that includes Gowan, Helm, and Drexel EPTC Product Chemistry data. The Acute Toxicology is addressed by the "Cite ALL" method.

Please go through and let me know whether this is acceptable to you now. Thank you.
Luz G Chan

----Original Message-----

From: Tompkins.Jim@epamail.epa.gov [mailto:Tompkins.Jim@epamail.epa.gov]

Sent: Thursday, December 23, 2004 8:35 AM

To: Luz Chan

Subject: Re: Offer to Pay for 19713-LAI Drexel Power Play

Importance: High

REVISED MESSAGE TO REFLECT OFFER TO PAY MUST BE MADE TO GOWAN INSTEAD OF DREXEL.

Your Offer to Pay for 19713-LAI Drexel Power Play has been reviewed and found to be inadequate. Your Data Matrix must address how you met the Guidelines for Product Chemistry and Acute Toxicology. You must modify your offer to pay to Tri Ag to reflect an offer to pay to their agent Helm and you must make an offer to pay to Gowan the current owner of a large part of the generic data for EPTC. Please provide an updated data matrix to Product Manager 25 by January 7, 2005 or your application will be subject final regulatory review based on the inadequate data matrix.

Jim Tompkins/DC/USE PA/US

12/23/2004 09:26 AM Luz Chan < lchan@drexchem.com>

CC

To

Subject Offer to Pay for 19713-LAI Drexel Power Play

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Jim Tompkins PM 25.

(See attached file: EPTC Matrix EPA.pdf)



eptcLOTF.pdf



Luz Chan <lchan@drexchem.com> 01/12/2005 02:13 PM To Jim Tompkins/DC/USEPA/US@EPA

cc Vickie Walters/DC/USEPA/US@EPA

bcc

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Luz Chan <lchan@drexchem. com>

12/27/2004 05:19 PM Jim Tompkins/DC/USEPA/US@EPA

CC

To

Subject

RE: Offer to Pay for 19713-LAI

Drexel Power Play

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Jim Tompkins/DC/USE PA/US

Luz Chan < lchan@drexchem.com>

To

12/23/2004 09:26 AM

Subject

Offer to Pay for 19713-LAI Drexel

Power Play

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Jim Tompkins PM 25.

(See attached file: EPTC Matrix EPA.pdf)

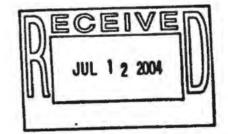


# Gowan

P.O. Box 5569 A Yuma, AZ 85366-5569 A Phone (928) 783-8844 A FAX (928) 343-9255

July 7, 2004

Roy W. Olson Drexel Chemical Company PO Box 13327 Memphis TN 38113



Re: Initiation of Data Compensation Negotiations

Dear Mr. Olson:

Thank you for your letter of September 16, 2003 offering to pay compensation for the use of data to support your registration of EPTC technical, and to commence negotiations. As you may know, Gowan is the successor-in-interest to Syngenta, having acquired ownership of Syngenta's EPTC data base in October 2003. Gowan seeks to obtain compensation from Drexel and is writing to initiate compensation negotiations, in accordance with the offer made in your September 16 letter.

As a prerequisite to commencing those negotiations, we request your agreement concerning the confidentiality of those discussions and the materials exchanged during the meeting. We anticipate providing you with a list of studies which Gowan believes to be compensable, the costs of those studies, information about how the costs were developed, and a statement indicating the amount of compensation which Gowan believes should be paid and how the amount was computed. In addition, we anticipate that Drexel may wish to provide responses to these materials, which may include its own study lists, costs, and claim computations, or other materials. We also anticipate that the parties will engage in frank discussions regarding the amount of compensation to be paid.

By signing this letter agreement, Gowan and Drexel agree that all statements made and information exchanged during EPTC data compensation negotiations will be considered settlement privileged and confidential; that such statements and information will not be disclosed to anyone outside of the parties except to consultants employed by either party for the purpose of assisting it in these data compensation negotiations; that they will be used only for purposes of these negotiations and not for any other business purpose; and that they will not be disclosed or used during any data compensation arbitration which may ensue.

In the event that a negotiated settlement is not reached and an arbitration is initiated, Gowan anticipates that it will produce during such arbitration a list of studies deemed compensable, the costs of those studies and documentation supporting the costs. Nothing in this agreement shall preclude Drexel from seeking any discovery that is otherwise permissible pertaining to the basis for the study costs or compensation claimed by Gowan in the arbitration.

Gowan has signified its agreement to the foregoing by signing this letter below. We request that Drexel signify its agreement by signing where indicated below, and returning the signed copy.

FOR GOWAN:

Robert E. Hawk

Regulatory Affairs Manager

Date 7, 2004

FOR DREXEL

Roy W. Olson

Business Development Manager

2



BY CERTIFIED MAIL #: 7002 2410 0000 5051 8726

September 16, 2003

Syngenta Crop Protection, Inc Box 18300 Greensboro, NC 27419

Drexel Chemical Company is applying for registration of DREXEL EPTC TECHNICAL containing S-ethyl dipropylitriocarbamate as the active ingredient.

In EPA's Data Submitters List for the said active ingredient, your company is listed as having data on file with the Agency.

In accordance with Sections 3(c)(1)(F) and 3(c)(2)(B) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, this letter constitutes our offer to:

- Pay compensation to the extent required by FIFRA for studies accepted by EPA that apply to the registration, and
- (2) Commence negotiations to determine which data are subject to the compensation regulations of FIFRA and the amount and terms of compensation, if any.

This offer is contingent upon approval of this application. If we have not received your response within 90 days, we will assume that you have no data that is considered compensable under FIFRA Sections 3(c)(1)(F) and 3(c)(2)(B).

Sincerely.

Roy W. Olson

**Business Development Manager** 

	CHRIFIED WAIL  CHRIFI	U.S. Postal Servicem CERTIFIED MAIL (Domestic Mail Only; No Insura For delivery Information visit our w Postage \$ .37  Certified Fee 2 .30  Restricted Delivery Fee (Endorsement Required) Restricted Delivery Fee (Endorsement Required) Total Postage & Fees \$ 4 .42  Sirett Act No.	nce Coverage Provided)
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The Abases will	<ul> <li>Complete items 1, 2, and 3. Also complitem 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the revisor that we can return the card to you.</li> <li>Attach this card to the back of the mails or on the front if space permits.</li> </ul>	C. Signature	B. Date of Delivery  Agent Addressee
· · · · · · · · · · · · · · · · · · ·		D. Is delivery address different from its If YES, enter delivery address bek	_
	P.O. BOYL 18300 Greenstooro, NC 2	La insured Mail La C.O.D.	ceipt for Merchandise
	2. Article Number (Copy from service label) 1002 2415 0000 PS Form 3811, July 1999	4. Restricted Delivery? (Extra Fee)  505   8726  Domestic Return Receipt	102595-00-M-0952





#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

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	DA	TA MATRIX			
Date January 5, 2005  Applicant's/Registrant's Name & Address  DREXEL CHEMICAL COMPANY, P.O. BOX 13327, MEMPHIS, TN 38113-0327			EPA Reg No./File Symbol 19713-557	Page 1 of 3	
			Product DREXEL EPTC TECHNICAL		
Ingredient EPTC					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
CITE ALL		CITE ALL	Syngenta Crop Protection	Pay	
CITE ALL		CITE ALL	Zeneca Ag Products, Inc	Pay	
CITE ALL		CITE ALL	Cedar Chemical Company	Pay	
CITE ALL		CITE ALL	Helm Agro US, Inc (Agent for Tri-Ag, Inc)	Pay	
CITE ALL		CITE ALL	Gowan Company	Pay	
CITE ALL		CITE ALL	Outdoor Residential Exposure Task Force	Per	
CITE ALL		CITE ALL	Spray Drift Task Force	Per	
CITE ALL		CITE ALL	Agricultural Re-entry Task Force	Per	
830.1550	Product Identity and Composition	46081301	Drexel Chemical Company	Own	
830.1600	Description of Materials Used to Produce the Product	46081301	Drexel Chemical Company	Own	
830.1620	Description of Production Process	46081301	Drexel Chemical Company	Own	
830.1670	Discussion of Formation of Impurities	46081301	Drexel Chemical Company	Own	
830.1700	Preliminary Analysis	46081301	Drexel Chemical Company	Own	
830.1750	Certified Limits	46081301	Drexel Chemical Company	Own	
830.1800	Enforcement Analytical Method	46081301	Drexel Chemical Company	Own	
Signature Cua G	Chan		Name and Title Luz G Chan, Registration Manager		Date 1/5/2005





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		DATA MATRIX			
Date January 5, 2005			EPA Reg No./File Symbol 19713-557	Page 2 of 3	
Applicant's/Registrant's Name & Address DREXEL CHEMICAL COMPANY, P.O. BOX 13327, MEMPHIS, TN 38113-0327		Product DREXEL EPTC TECHNICAL			
Ingredient EPTC					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6302	Color	46081301	Drexel Chemical Company	Own	
830.6303	Physical state	46081301	Drexel Chemical Company	Own	
830.6304	Odor	46081301	Drexel Chemical Company	Own	
830.6313	Stability	46081301	Drexel Chemical Company	Own	
830.6314	Oxidizing or Reducing Action	46081301	Drexel Chemical Company	Own	
830.6315	Flammability	46081301	Drexel Chemical Company	Own	
830.6316	Explodability	46081301	Drexel Chemical Company	Own	
830.6317	Storage stability	46081301	Drexel Chemical Company	Own	
830.6319	Miscibility	46081301	Drexel Chemical Company	Own	
830.6320	Corrosion characteristics	46081301	Drexel Chemical Company	Own	
830.6321	Dielectric voltage breakdown	46081301	Drexel Chemical Company	Own	
830.7000	рН	46081301	Drexel Chemical Company	Own	
830.7050	UV/Visible absorption	46081301	Drexel Chemical Company	Own	
830.7100	Viscosity	46081301	Drexel Chemical Company	Own	
830.7200	Melting Point	46081301	Drexel Chemical Company	Own	
Signature Cura (	G. Chan		Name and Title  Luz G Chan, Registration Manager		Date 1/5/2005





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Date January 5, 2005			EPA Reg No./File Symbol 19713-557		Page 3 of 3	
Apolicant's/Registrant's Name & Address DREXEL CHEMICAL COMPANY, P.O. BOX 13327, MEMPHIS, TN 38113-0327			Product DREXEL EPTC TECHNICAL			
Ingredient EPTC						
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
830.7220	Boiling point	46081301	Drexel Chemical Company	Own		
830,7300	Density/Relative density	46081301	Drexel Chemical Company	Own		
830.7370	Dissociation constant	46081301	Drexel Chemical Company	Own		
830.7520	Particle size	46081301	Drexel Chemical Company	Own		
830,7550	Octanol/Water partition coefficient	46081301	Drexel Chemical Company	Own		
830.7840	Water solubility	46081301	Drexel Chemical Company	Own		
830.7950	Vapor pressure	46081301	Drexel Chemical Company	Own		
870.1100, 870.1200, 870.1300,	Acute oral toxicity, Acute dermal toxicity, Acute inhalation	CITE ALL	Syngenta Crop Protection,	Pay		
870.2400, 870.2500, 870.2600	toxicity, Acute eye irritation, Acute dermal irritation, Skin		Zeneca Ag Products, inc,	Pay		
	sensitization		Cedar Chemical Company,	Pay		
			Helm Agro US, Inc (Agent for Tri-Ag, Inc),	Pay		
			Gowan Company	Pay		
				1 / -		
Signature	G Chan		Name and Title Luz G Chan, Registration Manager		Date 1/5/2005	



Jim Tompkins/DC/USEPA/US

01/06/2005 06:01 AM

To Vickie Walters/DC/USEPA/US@EPA

CC

bcc

Subject Fw: Offer to Pay for 19713-LAI Drexel Power Play

--- Forwarded by Jim Tompkins/DC/USEPA/US on 01/06/2005 06:01 AM -----



Luz Chan <Ichan@drexchem.com> 01/05/2005 04:48 PM

To Jim Tompkins/DC/USEPA/US@EPA

CC

Subject RE: Offer to Pay for 19713-LAI Drexel Power Play

I thought the CITE ALL method should take care of that. But anyway, here is the revised Data Matrix.

Thank you, Mr. Tompkins,

Luz

----Original Message----

From: Tompkins.Jim@epamail.epa.gov [mailto:Tompkins.Jim@epamail.epa.gov]

Sent: Wednesday, January 05, 2005 1:06 PM

To: Luz Chan

Subject: RE: Offer to Pay for 19713-LAI Drexel Power Play

We have reviewed your data matrix revised data matrix. The revised data matrix still does not address how you are meeting the acute toxicity requirements to register your product. Please modify your matrix to address how you are meeting the acute toxicity guidelines to register your product.

Luz Chan < lchan@drexchem.com>

12/27/2004 05:19 PM Jim Tompkins/DC/USEPA/US@EPA

CC

To

Subject

RE: Offer to Pay for 19713-LAI Drexel Power Play

Mr. Tompkins, please find attached the revised Data Matrix that includes Gowan, Helm, and Drexel EPTC Product Chemistry data. The Acute Toxicology is addressed by the "Cite ALL" method.

Please go through and let me know whether this is acceptable to you now. Thank you.

Luz G Chan

----Original Message-----

From: Tompkins.Jim@epamail.epa.gov [mailto:Tompkins.Jim@epamail.epa.gov]

Sent: Thursday, December 23, 2004 8:35 AM

To: Luz Chan

Subject: Re: Offer to Pay for 19713-LAI Drexel Power Play

Importance: High

REVISED MESSAGE TO REFLECT OFFER TO PAY MUST BE MADE TO GOWAN INSTEAD OF

#### DREXEL.

Your Offer to Pay for 19713-LAI Drexel Power Play has been reviewed and found to be inadequate. Your Data Matrix must address how you met the Guidelines for Product Chemistry and Acute Toxicology. You must modify your offer to pay to Tri Ag to reflect an offer to pay to their agent Helm and you must make an offer to pay to Gowan the current owner of a large part of the generic data for EPTC. Please provide an updated data matrix to Product Manager 25 by January 7, 2005 or your application will be subject final regulatory review based on the inadequate data matrix.

Jim Tompkins/DC/USE PA/US

Luz Chan <lchan@drexchem.com>

То

12/23/2004 09:26 AM

CC

Subject Offer to Pay for 19713-LAI Drexel Power Play

Your Offer to Pay for 19713-LAI Drexel Power Play has been reviewed and found to be inadequate. Your Data Matrix must address how you met the Guidelines for Product Chemistry and Acute Toxicology. You must modify your offer to pay to Tri Ag to reflect an offer to pay to their agent Helm and you must make an offer to pay to Drexel the current owner of a large part of the generic data for EPTC. Please provide an updated data matrix to Product Manager 25 by January 7, 2005 or your application will be subject final regulatory review based on the inadequate data matrix.

Jim Tompkins PM 25.

(See attached file: EPTC Matrix EPA.pdf)

1

power play data matrix.pdf



Jim Tompkins/DC/USEPA/US 01/12/2005 11:08 AM

To Luz Chan <lchan@drexchem.com>

cc Vickie Walters/DC/USEPA/US@EPA

bcc

Subject RE: Offer to Pay for 19713-LAI Drexel Power Play

To resolve Gowan's petition to deny, EPA's attorneys have requested that you submit to the Agency a copy of your offer to pay to Gowan. Please send a copy of your response to Vickie Walters and myself. Luz Chan <a href="mailto:chan@drexchem.com">chan@drexchem.com</a>



Luz Chan <Ichan@drexchem.com> 12/27/2004 05:19 PM

To Jim Tompkins/DC/USEPA/US@EPA

CC

Subject RE: Offer to Pay for 19713-LAI Drexel Power Play

Mr. Tompkins, please find attached the revised Data Matrix that includes Gowan, Helm, and Drexel EPTC Product Chemistry data. The Acute Toxicology is addressed by the "Cite ALL" method.

Please go through and let me know whether this is acceptable to you now. Thank you.
Luz G Chan

----Original Message----

From: Tompkins.Jim@epamail.epa.gov [mailto:Tompkins.Jim@epamail.epa.gov]

Sent: Thursday, December 23, 2004 8:35 AM

To: Luz Chan

Subject: Re: Offer to Pay for 19713-LAI Drexel Power Play

Importance: High

REVISED MESSAGE TO REFLECT OFFER TO PAY MUST BE MADE TO GOWAN INSTEAD OF DREXEL.

Your Offer to Pay for 19713-LAI Drexel Power Play has been reviewed and found to be inadequate. Your Data Matrix must address how you met the Guidelines for Product Chemistry and Acute Toxicology. You must modify your offer to pay to Tri Ag to reflect an offer to pay to their agent Helm and you must make an offer to pay to Gowan the current owner of a large part of the generic data for EPTC. Please provide an updated data matrix to Product Manager 25 by January 7, 2005 or your application will be subject final regulatory review based on the inadequate data matrix.

Jim Tompkins/DC/USE PA/US

Luz Chan < lchan@drexchem.com>

CC

To

12/23/2004 09:26 AM

> Subject Offer to Pay for 19713-LAI Drexel Power Play

Your Offer to Pay for 19713-LAI Drexel Power Play has been reviewed and found to be inadequate. Your Data Matrix must address how you met the Guidelines for Product Chemistry and Acute Toxicology. You must modify your offer to pay to Tri Ag to reflect an offer to pay to their agent Helm and you must make an offer to pay to Drexel the current owner of a large part of the generic data for EPTC. Please provide an updated data matrix to Product Manager 25 by January 7, 2005 or your application will be subject final regulatory review based on the inadequate data matrix.

Jim Tompkins PM 25.



EPTC Matrix EPA.pdf



#### Jim Tompkins/DC/USEPA/US

01/12/2005 05:59 AM

To Vickie Walters/DC/USEPA/US@EPA

CC

bcc

Fw: Offer to Pay for 19713-LAI Drexet Power Play Petition Subject

from Gowan

---- Forwarded by Jim Tompkins/DC/USEPA/US on 01/12/2005 06:00 AM -----



#### Jim Tompkins/DC/USEPA/US

01/12/2005 05:59 AM

To Gautam Srinivasan/DC/USEPA/US

Re: Fw: Offer to Pay for 19713-LAI Drexel Power Play Subject

Petition from Gowan

#### Gautam Srinivasan/DC/USEPA/US

Gautam Srinivasan/DC/USEPA/US

01/11/2005 04:38 PM

To Jim Tompkins/DC/USEPA/US@EPA

CC

Re: Fw: Offer to Pay for 19713-LAI Drexel Power Play Subject

Petition from Gowan 1





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	DA	TA MATRIX			
Date DECEMBER 27, 2004			EPA Reg No./File Symbol 19713-557	Page 1 of 3	
Applicant's/Registrant's Name & Address DREXEL CHEMICAL COMPANY, P.O. BOX 13327, MEMPHIS, TN 38113-0327		Product DREXEL EPTC TECHNICAL			
Ingredient EPTC					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
CITE ALL	14	CITE ALL	Syngenta Crop Protection	Pay	
CITE ALL		CITE ALL	Zeneca Ag Products, Inc	Pay	
CITE ALL		CITE ALL	Cedar Chemical Company	Pay	
CITE ALL		CITE ALL	Helm Agro US, Inc (Agent for Tri-Ag, Inc)	Pay	
CITE ALL		CITE ALL	Gowan Company	Pay	
CITE ALL		CITE ALL	Outdoor Residential Exposure Task Force	Per	
CITE ALL		CITE ALL	Spray Drift Task Force	Per	
CITE ALL		CITE ALL	Agricultural Re-entry Task Force	Per	
330.1550	Product Identity and Composition	46081301	Drexel Chemical Company	Own	
30.1600	Description of Materials Used to Produce the Product	46081301	Drexel Chemical Company	Own	
330.1620	Description of Production Process	46081301	Drexel Chemical Company	Own	
330.1670	Discussion of Formation of Impurities	46081301	Drexel Chemical Company	Own	
330.1700	Preliminary Analysis	46081301	Drexel Chemical Company	Own	
330.1750	Certified Limits	46081301	Drexel Chemical Company	Own	
30.1800	Enforcement Analytical Method	46081301	Drexel Chemical Company	Own	
Signature Cuz G	Chan		Name and Title Luz G Chan, Registration Manager		Date 12/27/2004

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830.6303	Physical state	46081301	Drexel Chemical Company	Own	
830.6304	Odor	46081301	Drexel Chemical Company	Own	
830.6313	Stability	46081301	Drexel Chemical Company	Own	1
830.6314	Oxidizing or Reducing Action	46081301	Drexel Chemical Company	Own	
830.6315	Flammability	46081301	Drexel Chemical Company	Own	
830.6316	Explodability	46081301	Drexel Chemical Company	Own	
830.6317	Storage stability	46081301	Drexel Chemical Company	Own	
830.6319	Miscibility	46081301	Drexel Chemical Company	Own	
830.6320	Corrosion characteristics	46081301	Drexel Chemical Company	Own	
830.6321	Dielectric voltage breakdown	46081301	Drexel Chemical Company	Own	
830.7000	рН	46081301	Drexel Chemical Company	Own	
830.7050	UV/Visible absorption	46081301	Drexel Chemical Company	Own	
830.7100	Viscosity	46081301	Drexel Chemical Company	Own	
830.7200	Melting Point	46081301	Drexel Chemical Company	Own	
Signature	nn		Name and Title		Date
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Ingredient EPTC						
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830.7840	Water solubility	46081301	Drexel Chemical Company	Own		
830.7950	Vapor pressure	46081301	Drexel Chemical Company	Own		
		- 1				
Signature	C. Clym  Electronic and Paper versions available. Submit only Paper		Name and Title  Luz G Chan, Registration Manager		Date 12/27/2004	



#### Jim Tompkins/DC/USEPA/US 12/23/2004 09:32 AM

To Luz Chan < lchan@drexchem.com>

CC

bcc

Subject Re: Offer to Pay for 19713-LAI Drexel Power Play

REVISED MESSAGE TO REFLECT OFFER TO PAY MUST BE MADE TO GOWAN INSTEAD OF DREXEL.

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Jim Tompkins/DC/USEPA/US



Jim Tompkins/DC/USEPA/US

12/23/2004 09:26 AM

To Luz Chan < lchan@drexchem.com>

СС

Subject Offer to Pay for 19713-LAI Drexel Power Play

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Jim Tompkins PM 25.





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Form Approved OMB No. 2070-0060

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	D.	ATA MATRIX			
Date SEPTEMBER 16, 2003  Applicant's/Registrant's Name & Address  DREXEL CHEMICAL COMPANY, P.O. BOX 13327, MEMPHIS, TN 38113-0327		EPA Reg No./File Symbol 19713-		Page 1 of 1	
		Product DREXEL EPTC TECHNICAL			
Ingredient S-ETHYL DIPROPYL	THIOCARBAMATE (EPTC)				
Guideline Reference Number	Guldeline Study Name	MRID Number	Submitter	Status	Note
		CITE ALL	Syngenta Crop Protection, Inc	Pay	
		CITE ALL	Zeneca Ag Products, Inc	Pay	
		CITE ALL	Cedar Chemical Company	Pay	
		CITE ALL	Tri-Ag, Inc	Pay	
		CITE ALL	Outdoor Residential Exposure Tesk Force	Per	
		CITE ALL	Spray Drift Task Force	Per	
		CITE ALL	Agricultural Re-entry Task Force	Per	
					11 11 22 22
	Segmended 50.	a dated	12/27/04		
				+	
Signature C. C.	Chan		Name and Title LUZ G CHAN, REGISTRATION MANAGER		Date 9/16/2003

Hold

Matrix is probably
Not Acceptable as
Gowaw Says they
Submitted 200 Studen
to Support 20TC

The Offer to Pay
Is Not Adequate
It does not specify
How Acute tor was
Satisfied. It does
Not Address Product
Chemistry. It the



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send the form to this address.	<del></del>	<del></del>	<del></del>	<del></del>	
	D	ATA MATRIX		······································	
Date SEPTEMBER 16, 2003		EPA Reg No./File Symbol 19713-		Page 1 of 1	
Applicant's/Registrant's Name & Address			Product		
DREXEL CHEMICAL COMPANY,	P.O. BOX 13327, MEMPHIS, TN 38113-0327		DREXEL EPTC TECHNICAL		
Ingredient S-ETHYL DPROPYLT	THIOCARBAMATE (EPTC)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
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			Zeneca Ag Products, Inc	Pay	
			Cedar Chemical Company	Pay	
			Tri-Ag, Inc	Pay	
			Outdoor Residential Exposure Task Force	Per	
			Spray Drift Task Force	Per	
			Agricultural Re-entry Task Force	Per	
					,
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				1	
Signature /	20		Name and Title	<u> </u>	Date
Signature $\operatorname{Guz} G$ .	Chan	•	LUZ G CHAN, REGISTRATION MANAGER		9/16/2003

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Information Management Division (2137), U.S. Environmental Protection Agency, 40 Do not send the completed form to this address.		
Certification with Respec	t to Citation o	f Data
Applicant's/Registrant's Name, Address, and Telephone Number Drexel Chemical Company, P.O. Box 13327, Memphis, TN 38113-0327 (Tel 901 7	774-4370)	EPA Registration Number/File Symbol 19713- 568
Active Ingredient(s) and/or representative test compound(s) S-ETHYL DIPROPYLTHIOCARBAMATE (EPTC)		Date SEPTEMBER 16, 2003
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158 Terrestrial food crops and terrestrial non-food crops	3)	Product Name DREXEL EPTC TECHNICAL
NOTE: If your product is a 100% repackaging of another purchased EPA-register submit this form. You must submit the Formulator's Exemption Statement (EPA Formulator)	ed product labeled m 8570-27).	for all the same uses on your label, you do not need to
I am responding to a Data-Call-In Notice, and have included with this form a be used for this purpose).	list of companies	sent offers of compensation (the Data Matrix form should
SECTION I: METHOD OF DATA SUP	PORT (Check one	method only)
I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).	under	sing the selective method of support (or cite-all option the selective method), and have included with this form a sted list of data requirements (the Data Matrix form must be
SECTION II: GENERAL	OFFER TO PAY	
I hereby offer and agree to pay compensation, to other persons, with regard to		this application, to the extent required by FIFRA.
I certify that this application for registration, this form for reregistration, or application for registration, the form for reregistration, or the Data-Call-In response. Indicated in Section I, this application is supported by all data in the Agency's files the substantially similar product, or one or more of the ingredients in this product; and (2) requirements in effect on the date of approval of this application if the application socuses.	n addition, if the ca at (1) concern the ) is a type of data t	ite-all option or cite-all option under the selective method is properties or effects of this product or an identical or that would be required to be submitted under the data
I certify that for each exclusive use study cited in support of this registration the written permission of the original data submitter to cite that study.	n or reregistration	that I am the original data submitter or that I have obtained
I certify that for each study cited in support of this registration or reregistra submitter; (b) I have obtained the permission of the original data submitter to use the compensation have expired for the study; (d) the study is in the public literature; or (e offered (I) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3 amount and terms of compensation, if any, to be paid for the use of the study.	study in support of the study	of this application; (c) all periods of eligibility for writing the company that submitted the study and have
I certify that in all instances where an offer of compensation is required, or accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will evidence to the Agency upon request, I understand that the Agency may initiate action FIFRA.	be submitted to the	he Agency upon request. Should I fail to produce such
I certify that the statements I have made on this form and all attach knowingly false or misleading statement may be punishable by fine or impris		
Signature Cuz Gr. Chan	Date	Typed or Printed Name and Title
Cuz to Chan	9/16/2003	Luz G Chan, Registration Manager

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### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

November 22, 2004

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

OPP Decision Number: D-349683

EPA File Symbol or Registration Number: 19713-LAI Product Name: DREXEL ACETOCHLOR PLUS EPTC

EPA Receipt Date: 15-Sep-2004 EPA Company Number: 19713

Company Name: DREXEL CHEMICAL CO

LES SHOCKEY DREXEL CHEMICAL CO 1700 CHANNEL AVENUE, PO Box 13327 MEMPHIS, TN 38113-0327

SUBJECT: Approval of 50% Small Business Waiver Request

Dear Registrant:

The Office of Pesticide Programs has approved your request for 50% waiver of the pesticide registration fee associated with the action referenced above. The decision review period for this action will begin on the day that payment is received.

The Action has been identified as Action Code: R30

NEW PRODUCT; ME-TOO PRODUCT FAST TRACK;

Please remit payment in the amount of: \$ 500 to:

By USPS: USEPA Washington Finance Center Pesticide Registration Service Fee PO Box 360277 Pittsburgh, PA 15251 By Courier:
U.S. EPA Washington Finance Center
Pesticide Registration Service Fee
C/O Mellon Client Service Center
500 Ross Street, Room 670
Box 360277
Pittsburgh, PA 15251-6277
Attn: EPA Module Supervisor
Telephone (412) 236-2294

All payments must be in United States currency by check, bank draft, or money order drawn to the order of the Environmental Protection Agency. To ensure proper credit, please write the OPP DECISION NUMBER on your check, and enclose a copy of this letter with your payment.

If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman, Linda Arrington at (703) 305-6249.

IIII (in A 11)

Deputy Director of Management
Office of Pesticide Programs



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

NOV 1 8 2004

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Ms. Luz G. Chan Drexel Chemical Company P. O. Box 13327 Memphis, TN 38113-0327

Dear Ms. Chan:

Subject: Drexel Acetochlor Plus EPTC Herbicide EPA Registration No. 19713-LAI Application Dated September 22, 2004

The scientific review and evaluation of the information submitted in support of the subject product have been completed. This product is not acceptable for registration at this time, based on the following deficiencies. The information required below and five (5) copies of revised labeling incorporating the changes listed below, must be submitted by December 6, 2004 or the application will be subject to final review and denial.

- 1. An offer to pay and certification statement and data matrix must be submitted addressing the data requirements for the EPTC component of your proposed product.
- 2. The product has been determined to be substantially similar to EPA Registration No. 100-1083 from both a product chemistry and acute toxicology view point.
- 3. The product chemistry data submitted is acceptable and satisfies the data requirements except for the one year storage stability and corrosion characteristics studies. The results of these studies will be a required as a condition of registration.
- 4. Based on the product you are similar to and the EPTC RED issued in 1999, the following "Note to Physician" must be added the first aid section of your label.

### Note to Physician

Probable mucosal damage may contraindicate the use of gastric lavage.

This product contains EPTC, a thiocarbamate that inhibits cholinesterase. If symptons of cholinesterase inhibition are present, atropine by injection is antidotal. Pralidoxime choride (2-PAM) is NOT recommended as an antidote for this compound. Thiocarbamates have been shown in laboratory animals to cause a disulfiram (Antabuse)-type reaction in combination with alcohol.

5. Delete the sentences "Wear goggles or face shield. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.", from the Precautionary Statements, as this information is stated in the Personal Protective Equipment and Wear Safety Recommendations.

Based on the EPTC RED and the similar product the revise PPE requirement for "long-sleeved shirt and long pants" within the Precautionary Statements to a requirement for "Coveralls over short sleeved shirt and short pants.

7. Based on the EPTC RED the following statements must be incorporated into the Personal Protective Equipment (PPE) within the Precautionary Statements.

Mixers and Loaders exposed to concentrate must wear a chemical resistant apron.

In addition to the above PPE, applicators applying dry bulk fertilizer with a specialized truck designed to treat more than 80 acres, must wear a NIOSH approved respirator with:

- -an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or
- -a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or
- -a NIOSH approved respirator with an (OV) cartridge, or
- -a canister with any N, R, P, HE prefilter
- 8. Based on the EPTC RED the following Engineering Controls section must be added to your label.

**Engineering Controls** 

Commercial (for-hire) Handlers engaged in impregnating this product onto dry bulk fertilizer must:

- -wear the personal protective equipment required for mixers/loaders, except shoes may be substituted for chemical-resistant footwear
- -have immediately available for use in case of an accident a NIOSH approved respirator with:
- —an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or
- ----a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or
- ----a NIOSH approved respirator with an (OV) cartridge, or
- ----a canister with any N, R, P, HE prefilter

When other handlers use closed systems or enclosed cabs, in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-5)], the handler PPE requirements may be reduced or modified as specified in the WPS. IMPORTANT: When reduced PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

9. Based on the acetochlor component of this product, the first sentence of the Environmental Hazards section of your label must be revised to read "This product is toxic to fish and mammals.

Further action will await submission of required labels and information.

Sincerely,

Juku K Walley for James A. Tompkins Product Manager 25 Herbicide Branch Registration Division (7505C)

### Note For Records

Name of Product: Drepel aceterhlar Plus ETTC Herheede

EPA Registration No./ File Symbol (9)13~しみじ

Submission Date: 9/14/04

Received Date: 9/15/04 (due //19/05)

Date Worked: 11/12/04 AWP 11/18/04

Description of Action: Sumula to 100-1083. Review to ree of Regentration is supported No offer to peny adata matrix submitted for EPTC.

Rente practage to TRB Chem 1 TOX 10/20/04, Review recieved 10/22 (Tax) and 10/26/04 (Chem), Similar to 100-1083.

rolifed 1/18/04 that Govan pilitured to dany application because of no offer to pugley 0 6 Cr

Comments: © o PC & Tox ob, similar to 100-1083. Dashel not acceptable based on EPTC RED and Similar product. Letter to company notifying of deficiencies and need for offer to pay. Deix company to 12/6/04 two submit as four derical.

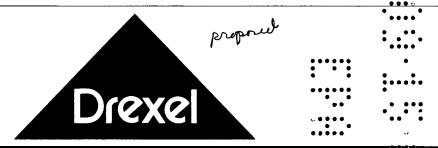
PM 25 Jen Tomphin, aspeed.

Signature and Date: Vitue & Walters 11/15/04

# RESTRICTED USE PESTICIDE

(Due To Oncogenicity)

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.



# Acetochlor plus EPTC Herbicide

Herbicide

Preplant incorporated herbicide for weed control (including Foxtails, Crabgrass, Barnyardgrass, and suppression of Woolly cupgrass, Wild proso millet and Field sandbur) in Field corn, production Seed corn, Silage corn, and Popcorn.

#### **ACTIVE INGREDIENT:**

EPTC: S-ethyl dipropylthiocarbamate	67.8%
Acetochlor: 2-Chloro-2-methyl-	
6-ethyl-N-ethoxymethylacetanilide	16.9%
OTHER INGREDIENTS:	15.3%
TOTAL:	100.0%

Contains 7.0 pounds of active ingredients per gallon. (5.6 lbs. a.i./gal, EPTC and 1.4 lbs. a.i./gal, acetochlor).

# **KEEP OUT OF REACH OF CHILDREN WARNING / AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See FIRST AID Below

EPA Reg. No. 19713- LAT

EPA Est. No.

**Net Contents:** 

#### **FIRST AID**

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- IF ON SKIN OR CLOTHING:
- Take off contaminated clothing
- Rinse skin immediately with plenty of water for 15 to 20 minutes.

#### IF SWALLOWED:

- · Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow
- Do not induce vomiting unless told to do so by a poison control center or doctor
- Do not give anything by mouth to an unconscious person.

#### IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

## **Drexel Chemical Company**

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

#### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: Causes substantial but reversible eye injury and skin irritation. Harmful if swallowed or absorbed through skin. Do not get in eyes or on skin or clothing. Wear goggles or face shield. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals

in PPE

Reuse

00-1087

#### PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, shoes plus socks and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 1 70.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### **USE SAFETY RECOMMENDATIONS**

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. 2) Remove clothing! PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, or to areas where water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater

Acetochlor demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soil are permeable, particularly where the groundwater is shallow, may result in groundwater contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved unoff and/or runoff erosion.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

> Acetochlor plus EPTCHerbicide 0904++ Pending ACETOCHLOR PLUS EPTC HERBICIDE Page 1 of 5

#### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forest, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, chemical-resistant gloves made of any waterproof material, shoes plus socks and protective eyewear.

**Exception:** If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Acetochlor plus EPTC Herbicide is a selective soil applied herbicide which must be mixed or incorporated into the soil for control of weeds listed on this label. This herbicide controls weeds by interfering with normal germination and seedling development. It will not control established or germinated weeds present at application.

#### **USE RESTRICTIONS**

Do not apply to the following soils if groundwater depth is 30 feet or less: sand with less than 3% organic matter; loamy sand with less than 2% organic matter; or sandy loam with less than 1% organic mater.

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding well head setbacks and operation\_containment.

Do not apply this product through any type of irrigation system. Do not use flood irrigation to apply or incorporate this product.

Product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures, or rinsates.

Do not apply under conditions which favor runoff or wind erosion of soil containing this product to nontarget areas. To prevent off-site movement due to runoff or wind erosion:

- Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface must first be settled by rainfall or irrigation.
- Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.
- Do not use tailwater from the first flood or furrow irrigation of treated fields to treat nontarget crops unless at least one-half inch of rainfall has occurred between application and the first irrigation.

Do not apply this product using aerial application equipments

Do not apply when wind conditions favor drift to nontarget sites. To minimize spray drift to non-target areas:

 Use low pressure application equipment capable of producing a large droplet spray.

- · Do not use nozzles that produce a fine droplet spray.
- Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
- Keep ground-driven spray boom as low as possible above the target surface.
- Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid application when gusts approach 15 mph.

Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/or high temperatures. Do not apply during inversion conditions.

#### **GENERAL USE PRECAUTIONS**

Read all label directions before using.

Do not use this product on any crop other than Corn.

If crop treated with this product is lost, Corn may be replanted immediately. Do not make a second application of this product or equivalent product such as DoublePlay®.

This product can be stored at temperatures as low as minus 25°F.

This product should be used for recommended purposes and at recommended rates. Do not overdose.

This product is recommended for use only on mineral soils (those soils containing less than 10% organic matter).

Do not use this product on Corn seed stock such as Breeders, Foundation, or Increase.

This product may be used on production Seed corn.

Do not use this product on Sorahum or Milo.

Do not allow this product to contaminate water to be used on susceptible crops and ornamentals, or for domestic purposes.

Do not allow this product to contaminate feed or food.

This product should not be stored near seeds or fertilizers.

All containers of this product should be kept tightly closed when not in use

This product will not harm the treated crop nor leave harmful soil residues past harvest when applied properly and environmental conditions exist for normal plant growth during the season.

Adverse conditions such as unusually cold and wet or hot and dry weather during germination and early growth; insect, nematode, or plant disease attack; carryover soil residues of persistent herbicides; or use of certain soil applied systemic insecticides can create abnormal conditions that weaken crop seedlings. This product used under these conditions could result in crop injury.

Continuous use of this product in the same fields consecutively year after year can, in some areas, lead to a decrease in the level of performance. As a precaution, fields treated with this product should be rotated with another crop or herbicide classification on an annual program.

ROTATIONAL CROPS: Corn, Soybeans, Sorghum, or Tobacco may be planted the spring following application. Wheat may be planted 4 months after application.

Do not rotate to crops other than Corn, Soybeans, Sorghum, Tobacco, or Wheat.

#### **APPLICATION DIRECTIONS**

#### **CARRIERS**

Liquids - Either water or fluid fertilizers such as solutions, slurries, or suspensions may be used as liquid carriers. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if this product is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

Dry Bulk Fertilizer - This product may be impregnated on dry bulk fertilizer and applied as the fertilizer is spread.

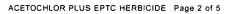
Bulk fertilizer impregnated with this product should be applied immediately, not stored.

It is recommended that all bulk containers be tightly covered while the product is being transported and applied to reduce probability of EPTC loss via volatilization.

When application and incorporation are done in separate operations, impregnated fertilizer must be incorporated on the same day as applied.

When separate operations delay incorporation, applications must be made on a soil surface dry to one-half inch deep and free from dew and incidental moisture.

See APPENDIX II and consult your local dealer for details including what fertilizers are compatible.



#### ADDING TO SPRAY TANK

If this product is used alone:

Add the recommended amount to a clean (thoroughly rinsed and decontaminated) spray tank before it is half filled so that addition of the remaining water or fluid fertilizer carrier can aid in the thorough agitation and mixing of the spray solution.

If a tank mixture is used:

See directions under the TANKMIX COMBINATIONS section of this label.

#### VOLUME

Apply in 10 to 60 gallons of water or fluid fertilizer per acre using a property calibrated sprayer having good agitation.

#### PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern.

#### SOIL MOISTURE AND TILTH

Improper incorporation or poor tilth such as large clods may result in erratic or unsatisfactory weed control.

The soil should be dry enough to permit good soil mixing or incorporation. Any application of this product that is not immediately incorporated in the same operation must be made to a soil surface dry to at least one-half inch deep and free from dew and incidental moisture.

#### INCORPORATION TIMING

Application and incorporation should be done in the same operation when possible.

Applications in water or fluid fertilizer must not have more than a 4 hour delay between application and incorporation.

When application and incorporation are separate operations in the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product must be incorporated the same day as applied. See moisture statement above. This product impregnated on dry bulk fertilizer must be incorporated on the same day as application. See moisture statement above.

#### INCORPORATION EQUIPMENT AND METHODS

This product must be incorporated into the soil to prevent loss of the herbicide.

Field cultivator Use on all soils in good tilth. Equip with 3 to 4 rows of sweeps spaced at 7 inches or less and staggered from row to row to leave no soil unturned or undisturbed. Set the field cultivator to cut 4 inches deep. Operate at 6 mph or more. Follow by a harrow or leveling device. Chisel plows or point should not be used. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, use two passes to improve control.

Tandem disc: Can be used on all soil types. Set disc to cut 4 inches deep. Operated disc at 4 to 6 mph. Follow disc by a harrow or leveling device slightly wider than that of the disc. Two passes in different directions will improve incorporation. On the second pass the disc should be operated 1 inch shallower than on the first pass. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, a second incorporation will improve control or suppression.

Sprinkler Irrigation: Do not apply this product by sprinkler irrigation. Use a sprinkler system only to incorporate this product after applying by ground equipment as follows:

In the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product may be surface applied immediately after planting.

See soil moisture statement above.

This product can then be incorporated using one-half to three-fourths inch of water within 36 hours following application.

Application and incorporation must be done within 5 days after the last tillage operation since poor results will occur if weeds have germinated.

#### **PLANTING**

Planting should occur as soon as possible after application and always within 2 weeks after treatment. Plant seed to maximum depth of 2 inches. Avoid moving or shaping soil after incorporation since this can remove this product from the row and result in a loss of weed control.

#### CULTIVATION

Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control.

A shallow cultivation is less than one-half the depth of incorporation.

#### WEEDS CONTROLLED AND USE RATES

Consult Table 1 below. Note "Comments and Restrictions" column in Table 1.

#### Table 1: This Product Broadcast Rate Per Acre

The annual broadleaf weeds listed below will be controlled only if treatment is made when conditions are favorable for weed seed germination and growth. Under prolonged conditions of very cold soil, control of the listed broadleaf weeds may not be adequate.

Annual Grass and Broadleaf Weeds	Scientific Name	U.S. (Except CA, AZ, FL)	C= Control PC= Partial Control	Comments and Restricitons
Barnyardgrass (Watergrass	Echinochloa spp.	4.5 - 7 pts.	C	General
Foxtail, giant	Setaria faberi	4.5 - 7 pts.	С	Use the lower rate for light infestations and
Foxtail, green	Setaria viridis	4.5 - 7 pts.	С	coarse textured soils.  Do not exceed 8 pints
Foxtail, yellow	Setaria Iutescens	4.5 - 7 pts.	С	per acre per year.
Crabgrass	Digitaria spp.	4.5 - 7 pts.	С	When this product is used in the
Panicum, fall	Panicum dichotomiflorum	4.5 - 7 pts.	С	Southeastem U.S. on silage Com, do not
Lambsquarters, common	Chenopodium album	5 - 7 pts.	С	seed small grains until September.
Nightshade, black	Solanum nigrum	5 - 7 pts.	С	When furrow irrigation is used on flat planted
Nightshade, hairy	Solanum sarachoides	5 - 7 pts.	С	Com on the Western slope of Colorado, do
Pigweed, redroot (Common)	Amaranthus retroflexus	5 - 7 pts.	С	not form furrows until Com is in the three- leaf stage.
Tall waterhemp	Amaranthus spp.	5 - 7 pts.	С	Soils lacking enough moisture for seed
Field sandbur¹	Cenchrus pauciflorus	6 - 8 pts.	PC	germination must be pre-imgated prior to
Wild proso millet <sup>1</sup>	Panicum milia ceum	6 - 8 pts.	PC	this product's application
Woolly cupgrass <sup>1</sup>	Eriochloa viridis	6 - 8 pts.	PC	
Volunteer barley	Hordeum vulgare	5 - 7 pts.	PC	
Volunteer oats	Avena sativa	5 - 7 pts.	PC	]
Volunteer wheat	Triticum aestivum	5 - 7 pts.	PC	
Wild oats	Avena fatua	5 - 7 pts.	С	1

For band applications, calculate the amount to be applied per acre as follows:

band width in inches

broadcast rate per acre

amount needed per acre of field

#### **TANK MIX COMBINATIONS**

#### BALANCE® HERBICIDE

See Balance label for Balance use rates. Not labeled in all states. Please refer to the Balance label for precautionary statements, directions for use, and geographic and other restrictions. Refer to the use rate section of this product for minimum use rates.

#### ATRAZINE HERBICIDE COMBINATIONS

For control of additional weeds and increased control of labeled broadleaf weeds, atrazine may be tank mixed and applied preplant incorporated with recommended use rates of this product.

Do not apply atrazine through any irrigation system.

Atrazine combinations may be impregnated on dry bulk fertilizer. See AP-PENDIX II and consult your local dealer for details including what fertilizers are compatible.

As an alternative, atrazine at recommended rates may be applied preemergence to the soil surface following a preplant incorporated treatment of this product at recommended rates.

If a preemergence application of atrazine is used, consult the directions on the atrazine label. A preemergence application of atrazine may require a rotary hoeing or shallow cultivation if rainfall or sprinkler irrigation has occurred within 10 days of the surface application.

#### **GENERAL USE PRECAUTIONS FOR ATRAZINE**

Follow all the use precautions and warnings that appear on the atrazine label and supplemental literature.

Make only one application per crop.

After a treatment of atrazine do not plant any crop except Corn until the following year or injury may occur.

#### CARRIERS

Liquids — The tankmix combinations may be applied using the same liquid carriers as this product used alone. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if the tankmix is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

Dry bulk fertilizer — Tankmixes with atrazine combinations may be impregnated on dry bulk fertilizer. Follow all directions and precautions listed on this label under this product applied alone on impregnated dry bulk fertilizer.

#### ADDING TO SPRAY TANK

It is recommended that the compatibility of any tankmix combination be tested on a small scale, such as a jar test, before actual tank mixing. See Appendix I for details on the procedure for such a test

Fill a thoroughly rinsed and decontaminated spray tank two-thirds full of clean water.

Start and continue moderate agitation throughout mixing. Excessive agitation may cause the atrazine to settle out and set up in the spray tank.

All return lines to the spray tank must discharge below liquid level

For some combinations, premixing wettable powders in a little water in a pail or bucket before adding them to the spray tank will improve the compatibility of the final mixture.

Premix the atrazine making sure It is thoroughly wetted and dispersed in the tank before adding this product.

Add this product to the tank that is two-thirds full of water aiready mixed with the approved tankmix product and continue filling tank.

The tankmix combination should not be left in the spray tank for prolonged periods. Batches should be mixed and applied the same day.

#### VOLUME

Apply all tankmixes in 20 to 60 gallons of liquid per acre.

#### PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern,

#### SOIL MOISTURE AND TILTH

Same as for this product alone

#### INCORPORATION TIMING

Same as for this product alone

#### INCORPORATION EQUIPMENT AND METHODS

Same as for this product alone

Do not apply this product or atrazine through a center pivot sprinkler irrigation system.

#### PLANTING

Same as for this product alone

#### CULTIVATION

Same as for this product alone:

Banvel®, 2,4-D, and Other Herbicides

A sequential application of 2,4-D, Banvel\*. Clarity\*, Marksman\*, Buctril\*, Buctril\*Atrazine, Basagran\*, Laddok\*, or other preemergence or postemergence herblcides may be necessary to control weeds not controlled by this product.

#### WEEDS CONTROLLED AND USE RATES TABLE 2: TANK MIX WITH ATRA-ZINE

This product plus atrazine tankmix will control the additional weeds listed below and under unfavorable conditions, improve the control of broadleaf weeds listed in Table 1. Please refer to atrazine label for rates and weeds controlled.

Additional Weeds Controlled with Atrazine Tankmix Combination	Scientific Name	C = Control PC = Partial Control
Cocklebur, common	Xanthium pensylvanicum	PC
Jimsorweed	Datura stramonium	С
Kochia	Kochia scoparia	С
Mustard	Brassica spp.	С
Ragweed	Ambrosia spp.	С
Smartweed	Polygonum spp.	С
Thistle, Russian	Salsola kali	С
Velvetleaf	Abutilon theophrasti	С
Witchgrass	Panicum capillare	C

#### APPENDIX I

Procedure for Testing the Compatibility of this product with Fluid Fertilizers and Tankmix Combinations

The following procedure is suggested for determining whether or not this product may be combined with a specific fluid fertilizer or tankmix herbicide for spray tank application.

#### MATERIALS REQUIRED

- 1. This product
- 2. Fluid fertilizer and tankmix herbicides
- Adjuvant for spray tank mix combinations: Use any adjuvant cleared for use on growing crops under 40 CFR 180.1001 to improve the compatibility of this product. The adjuvant which provides the best emulsification depends on the specific herbicide under consideration.
- 4. Two one-quart, wide mouth glass jars with lid or stopper.
- Measuring spoons, a 25 mL pipette or graduated cylinder provides more accurate measurement.
- 6: Measuring cup, 8 ounces (237 mL).

#### PROCEDURE

Pour a pint or about 473 mL of the fluid fertilizer or water into each of the quart jars.

Add adjuvant to one of the jars and mix. Two mL or two-fifths of a teaspoon of adjuvant added to 1 pint of fluid fertilizer or water will equal 3 pints of adjuvant per 100 gallons of fluid fertilizer or water.

If a tankmix is being tested, premix the wettable powders in one-eighth cup of water prior to addition to the pint of fluid fertilizer or water.

Add this product to both Jars. See Table 3 for rate to use.

Close both jars with lid or stopper and mix the contents by turning the jars upside down ten times.

Inspect the surface and body of the mixture:

- Immediately after completing the jar inversions.
- · After allowing the jars to stand quietly for 30 minutes
- And then again after turning the jars upside down 10 times after the 30 minute wait.

#### **EVALUATION**

If a uniform mixture cannot be made, the mixture should not be used. If either mixture remains uniform for 30 minutes, the combination may be used.

Should either mixture separate after 30 minutes, but readily remixes uniformly with ten jar Inversions, the mixture can be used if adequate agitation is maintained in the lank.

If the mixture with adjuvant is satisfactory, but the one without adjuvant is not, be sure to use the adjuvant in the spray tank.

If adjuvant is needed, add it first at a rate of 3 pints per 100 gallons of fluid fertilizer or water. Foaming can be minimized by using moderate agitation

If nondispersible oil, sludge, or clumps of solids form in the mixture, the combination should not be used.

TABLE 3: RATE TABLE FOR THIS PRODUCT IN COMPATIBILITY TESTS

Gailons of Fluid Fertilizer to be Applied Per Acre	Adju	unt of vant to to the								
	1 Pint of Liquid		4 pts/A		5 pts/A		6 pts./A		7 pts./A	
	ml	Tsp	ml	Тэр	ml	Тѕр	ml	Tsp	ml	Tsp
10 gals.	2	0.4	22.0	4.4	28.0	5.6	35.0	7	42.0	8.4
15 gals.	2	0.4	16.0	3.2	20.0	4	25.0	5	30.0	6
20 gals.	2	0.4	13.0	2.6	16.0	3.2	20.0	4	24.0	4.8
25 gals.	2	0.4	9.0	1.8	12.0	2.4	15.0	3	18.0	3.6
30 gals.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4
40 gals.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4

#### IMPREGNATION ON DRY BULK FERTILIZERS

Consult your local dealer for more details.

This product alone and tankmix combinations with atrazine may be impregnated on dry bulk fertilizer. Impregnation of dry bulk fertilizer with atrazine must be limited to 500 tons per day for no more than 30 days per calendar year per facility.

Caution: This product alone and in combination tankmixes must not be impregnated on ammonium nitrate, potassium nitrate, or sodium nitrate fertilizers. Such mixtures may cause explosion and fire.

All individual state regulations relating to dry bulk fertilizer blending, registration, labeling, and application are the responsibility of the individual and/ or company selling the herbicide and fertilizer mixtures.

TABLE 4: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT ALONE

Fertilizer Ingredient	N	P	К
Ammonium sulfate	21	0	0
Diammonium phosphate	18	46	0
Potassium chloride	0	0	60
Potassium sulfate	0	0	52
Single Super-phosphate	0	20	0
Treble Super-phosphate	0	46	0
Urea*	45	0	0
Ammonium phosphate-sulfate	16	20	0
K-Mag/Sul-Po-Mag	0	0	21
Monoammonium phosphate	11	48	0

TABLE 5: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT IN TANKMIX COMBINATIONS WITH ATRAZINE

Fertilizer Ingredient	N	P	K
Ammonium sulfate	21	0	0
Diammonium phosphate	18	46	0
Potassium chloride	0	0	60
Potassium sulfate	0	0	52
Single Super-phosphate	0	20	0
Treble Super-phosphate	0	46	0
Urea*	45	0	0
Ammonium phosphate-sulfate	16	20	0
K-Mag/Sul-Po-Mag	0	0	21
Monoammonium phosphate	11	48	0

\*Some ureas may be phytotoxic when high rates are applied to Com. Use only urea rates known to be safe for Com application.

Do not combine this product plus atrazine 4L or SOW with 0-20-0 or 0-46-0. Uniform impregnation of the herbicides on dry bulk fertilizer particles and uniform application in the field are necessary to assure good results.

A minimum of 200 and a maximum of 1200 pounds of approved impregnated ingredients from Tables 4 and 5 must be applied per acre.

Use a closed rotary drum mixer or similar type of closed blender equipped with sultable spray equipment.

The spray nozzle should be positioned inside of the mixer to provide uniform spray coverage of the tumbling fertilizer and provide a uniform fine spray pattern.

Tankmix combinations may be added separately or mixed in the proposed use ratio in a uniform slurry for joint spray impregnation.

Physical properties of fertilizers vary in liquid absorptive capacity. When absorptivity is sufficient, simple spray impregnation of the fertilizer with the herbicides provides a satisfactory, dry mixture.

When the absorptive capacity is not adequate, use of a drying agent is required to provide dry, free-flowing mixtures.

#### DRYING AGENT FOR SPINNING-DISC APPLICATORS

Micro-Cel® E calcium silicate powder

#### DRYING AGENTS FOR PNEUMATIC APPLICATORS

Micro-Cel E calcium silicate powder

Agsorb\* 16/30 RVM-MS granular clay

Celatom® MP-79

Drying agents should be added separately and uniformly to the previously impregnated herbicide-fertilizer mixture to insure that the mixture is free-flowing. Generally the following amounts are sufficient:

Micro-Cel E calcium silicate powder Agsorb 16/30 RVM-MS granular clay less than 2% by weight

Agsorb 16/30 RVM-MS granular da

less than 5% by weight

Celatom MP-79

less than 5% by weight

The amount of this product and atrazine actually required in the manufacture of individual fertilizer mixtures should be determined carefully for each production operation (see Table 6). This is necessary to ensure that the amount of herbicide actually contained in the mixture applied to the soil represents the correct use rate.

#### PHYSICAL DATA

Specific Gravity.

0 99 at 68°F (20°C)

Pounds/Gallon:

8.27 at 68°F (20°C)

Flashpoint: >200°F

Viscosity: Sprayable down to minus 20°F (-29°C)

TABLE 6: RATE CHART FOR IMPREGNATION OF DRY BULK FERTILIZER WITH THIS PRODUCT AND ATRAZINE PER TON OF FERTILIZER

Fertilizer	Th	is Produ	ct	Atrazi	ne 4L	Atrazir	ne 80W
Rate Per Acre	@ 4 pts./A	@ 5 pts/A	@ 6 pts/A	@ 2 pts/A	@ 3 pts/A	@ 1.25 lbs/A	@ 2 lbs/A
200 lbs.	20 qts.	25 qts.	30 qts.	10 qts.	15 qts.	12.5 lbs.	20 lbs
300 lbs.	13.33 qts.	16.66 qts.	20 qts.	6.66 qts.	10 qts.	8.33 lbs.	13.33 lbs.
400 lbs.	10 qts.	12.5 qts.	15 qts.	5 qts.	7.5 qts.	6.25 lbs.	10 lbs
500 lbs	8 qts.	10 qts.	12 qts.	4 qts.	6 qts.	5 lbs.	8 lbs.
600 lbs.	6.66 qts.	8.25 qts.	10 qts.	3.33 qts.	5 qts.	4.2 lbs.	6.66 lbs.
700 lbs.	5.75 qts.	7.25 gts.	8.5 qts.	2.82 qts.	4.25 qts.	3.66 lbs.	5.6 lbs

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. **PESTICIDE STORAGE:** Keep container tightly closed when not in use. Do not store near seed, fertilizer, or foodstuffs. Can be stored at temperatures as low as minus 25°F.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instruction, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and Local authorities.

FOR BULK AND MINI-BULK CONTAINERS CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

FOR MINI-BULK CONTAINERS: REFILL ONLY WITH THIS PRODUCT. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than this product will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

Circulation before dispensing is required.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

#### WARRANTY-CONDITIONS OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

DoublePlay is a trademark of Syngenia Group Company.
Agsorb is a trademark of Oil-On Corporation of America
Balanco and Buctril are trademarks of Bayer CropScience
Banvel, Basagran, Clarry, Laddok and Marksman are trademarks of BASF
Celetom is a trademark of Eagle-Picher Minerals, Inc.
Micro-Cel is a trademark of Celife Corporation, C/o World Minerals Inc.





Jim Tompkins/DC/USEPA/US

11/08/2004 12:47 PM

To Vickie Walters/DC/USEPA/US@EPA

CC

bcc

Subject 19713-LAI

Gowan has petitioned the Agency to deny this application. Consult Gautam in OGC before registering.

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460



#### OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES Similarity Clinic

#### 26/OCT/2004

#### <u>MEMORANDUM</u>

Subject:

EPA Reg. No:

19713-LAI

DP Barcode:

D309413

Dec. No:

349683

PC Code:

121601, 041401

From:

Masih Hashim, Toxicologist

Technical Review Branch

Mf Engui Mclulu Registration Division (7505C)

To:

Vickie Walters, RM 25

Herbicide Branch

Registration Division (7505C)

Applicant:

Drexel Chemical Company

Action Desired:

Similarity action requested between the cited (#100-1083)\* and the

proposed (#19713-LAI) products.

(\*Old No. 10183-388)

Formulation:

EPTC: S-ethyl dipropylthiocarbamate 67.8%

Acetochlor 16.9%

Recommendations: The cited and the proposed products have substantially similar

formulations. Therefore, TRB has no objection bridging data between them.

The Signal Word is Warning. The current label is adequate for the new product.

This memorandum pertains only to the decision concerning whether the subject product is substantially similar to the cited product from an acute toxicological view point. For the purposes of this action, TRB has made no determinations of the adequacy of the toxicological data base or the precautionary label of the cited product.

DATE OUT: 22 Oct 2004

PRODUCT CHEMISTRY REVIEW SUBJECT: EP [x] MP [ ]

DP BARCODE No.: D309410

REG./File Symbol No.: 19713-LAI

PRODUCT NAME: Drexel Acetochlor Plus EPTC

COMPANY: Drexel Chemical Co.

FOOD USE: [x] PC CODE: 121601,041401

Decision No. 349683 Integrated Formulation [ ]

RM #25, James Tompkins/Vickie Walters TO:

Herbicide Branch

FROM:

Registration Division (7505C)

Bruce F. Kitchens, Chemist
Technical Review Branch
Registration Division (7505C)

Source F. Lyhheur

22 Oct 2004

500-26-01

#### INTRODUCTION:

The registrant, Drexel Chemical Company, is submitting an application for the registration of the new end-use product, Drexel Acetochlor Plus EPTC. The active ingredients in this product are Acetochlor and EPTC at label nominal concentrations of 16.9 and 67.8% a.i., respectively. This product is intended for use as an herbicide. In addition, the registrant states that this product is substantially similar to EPA Reg. No. 100-1083, DoublePlay Selective Herbicide. In support of this request, the registrant has submitted a basic and an alternate Confidential Statements of Formula (CSFs) dated 14 Sept 2004, a draft label, and product chemistry data contained in MRID# 463694-01. The Technical Review Branch (TRB) has been asked to review this submission.

#### SUMMARY OF FINDINGS:

TRB has reviewed this submission and reports the following findings:

- This product is produced from registered sources of the active ingredient.
- 2. All inert ingredients are cleared for use in formulated pesticide products. In addition, all inert ingredients are exempt from the requirement of a food tolerance.

- The nominal concentration of the active ingredients listed on the proposed basic CSF and the draft label are the same.
- 4. The draft label contains the appropriate storage and disposal statements.
- The active ingredients certified limits as proposed on the basic CSF are acceptable.
- 6. Comparison of the proposed basic and alternate formula indicated that the only difference in the two products is a different source of the active ingredient EPTC.

#### CONCLUSIONS:

TRB has reviewed this submission and concludes the following:

- The basic and alternate formula CSFs for the proposed end-use product, Drexel Acetochlor Plus EPTC Herbicide dated 14 Sept 2004 are acceptable.
- 2. This submission satisfies the data requirements as specified in 40 CFR 158.155, 158.160, 158.165, 158.167, 158.175, and 158.180 with respect to product identity and composition, description of materials used to produce the product, description of formulation process, discussion of formation of impurities, certified limits, and enforcement analytical method.
- This submission satisfies the data requirements as specified in 40 CFR 158.190 with respect to physical and chemical properties.
  - The data requirements for storage stability and corrosion characteristics are not satisfied. The registrant indicated that one-year studies are in progress. Inform the registrant that this data must be submitted to the Agency upon completion for evaluation.
- 4. This product has been determined to be substantially similar to EPA Reg. No. 100-1083, DoublePlay Selective Herbicide from a product chemistry standpoint only.

## PRODUCT CHEMISTRY DATA (GROUP A)

	ical IDs/Manufacture/ ytical Information	Data Required Fulfilled	MRID No.
830-1550	Product Identity and Composition	Y	463694-01
830-1600	Description of Materials Used to Produce the Product	Y	463694-01
830-1620	Description of Production Process	NA	
830-1650	Description of Formulation Process	Y	463694-01
830-1670	Discussion of Impurities	Y	463694-01
830-1700	Preliminary Analysis	NA	
830-1750	Certified Limits	Y	see csf 9/14/04
830-1800	Enforcement Analytical Method	Y	463694-01

### PRODUCT CHEMISTRY DATA (GROUP B)

Physical/Chemical Properties	Data Required Fulfilled	Value or Qualitative Description	MRID No.
830-6302 Color	Y	Amber to brown	463694-01
830-6303 Physical State	Y	Liquid	463694-01
830-6304 Odor	Y	Light ammonia-like odor	463694-01
830-6314 Oxidation/Reduction:Chemical Incomparability	NA	Product does not contain oxidizing or reducing agents	
830-6315 Flammability/Flame Extension	Y	>200°F (TCC)	463694-01
830-6316 Explodability	NA	Product does not contain explosive components	
830-6317 Storage Stability of Product	I	1-year study in progress	
830-6319 Miscibility	NA	Product not mixed with petroleum solvents	
830-6320 Corrosion Characteristics	I	1-year study in progress	
830-6321 Dielectric Breakdown Constant	NA	Product not used around electrical equipment	
830-7000 pH	Y	4.8 (1% dilution in water)	463694-01
830-7100 Viscosity	Y	50 cps @ 20°C	463694-01
830-7300 Density	Y	0.991 g/ml @ 20°C	463694-01

Explanations: Y = The Requirements Were Fulfilled; N = The Requirements Were Not Fulfilled; NA = Not Applicable; G = Data Gap; U = Requires Upgrading; I = Incomplete or In Progress; W = Waived.

Enforcement analytical method: (MRID No. 463694-01)

The objective of the method is to quantify the EPTC and Dichlormid content in a sample of the end use product Drexel Acetochlor plus EPTC.

#### Equipment and Parameters

GC: Shimadzu GC-9A Gas Chromatograph (GC)

Column: 1 m x 4 mm glass packed with 3% OV225 on Chromosorb

W-HP 100 - 120 mesh

Oven temperature: 130°C Injector temperature: 200°C FID temperature: 250°C

Integrator: Hewlett-Packard model 3394

Carrier gas: Nitrogen 30ml/min
Air 350 ml/min

Internal standard: Nonadecane

Injector Volume: 1.0 µl

The objective of the method is to quantify the Acetochlor content in a sample of the end use product Drexel Acetochlor plus EPTC.

### Equipment and Parameters

GC: Hewlett-Packard 5890 Gas Chromatograph (GC)

Column: 2.1m x 4mm glass packed column

Column Packing: 10% SE-30 on 80-100 mesh Chromosorb W/AW DMCS

Oven temperature: 210°C Injector temperature: 230°C FID temperature: 230°C

Integrator: Hewlett-Packard model 3396

Carrier gas: Nitrogen 25ml/min

Air 300 ml/min Hydrogen 30ml/min

Internal standard: Dipentyl phthalate

Injector Volume: 1.0 µl

Masih Hashim/DC/USEPA/US

To Vickie Walters/DC/USEPA/US@EPA

10/25/2004 08:15 AM

CÇ

bcc

Subject D309413 19713-LAI Drexel and

Vickie

You have sent us a Bean Sheet for a similarity action. I can find two CSFs, one for the proposed and the other one for the cited product.. However, the cited CSF is not the same as referred in the Bean. Could you please call or see me for this. My Room is 264 and 308-6551

thanks

mh

Took and 10/20/boy



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

November 2, 2004

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

#### PLEASE RETURN A COPY OF THIS LETTER WITH PAYMENT

OPP Decision Number: D-349683

EPA File Symbol or Registration Number: 19713-LAI Product Name: DREXEL ACETOCHLOR PLUS EPTC

EPA Receipt Date: 15-Sep-2004 EPA Company Number: 19713

Company Name: DREXEL CHEMICAL CO

LES SHOCKEY DREXEL CHEMICAL CO 1700 CHANNEL AVENUE, PO Box 13327 MEMPHIS, TN 38113-0327

SUBJECT: Denial of 50% Small Business Waiver Request

Dear Registrant:

The Office of Pesticide Programs has denied your request for 50% waiver of the pesticide registration fee associated with the action referenced above. We were unable to reach a conclusion regarding your eligibility for a small business waiver as your request was incomplete. Please review the payment information below.

The Action has been identified as Action Code: R30

NEW PRODUCT; ME-TOO PRODUCT FAST TRACK;

Please remit payment in the amount of: \$ 1,000 to:

By USPS: USEPA Washington Finance Center Pesticide Registration Service Fee PO Box 360277 Pittsburgh, PA 15251 By Courier:
U.S. EPA Washington Finance Center
Pesticide Registration Service Fee
C/O Mellon Client Service Center
500 Ross Street, Room 670
Box 360277
Pittsburgh, PA 15251-6277
Attn: EPA Module Supervisor
Telephone: (412) 236-2294

All payments must be in United States currency by check, bank draft, or money order drawn to the order of the Environmental Protection Agency. To ensure proper credit, please write the OPP DECISION NUMBER on your check, and enclose a copy of this letter with your payment.

If you would like the Agency to reconsider its waiver determination for this product, please provide the following information:

Please send a detailed description of how you have differentiated your pesticide from your non-pesticides sales. You may wish to include yearly sales reports or any other detailed documentation of pesticide and non-pesticides sales to aide the Agency in its decision making process.

Please send a certification signed by a responsible corporate officer.

You can submit this information to:

By USPS:

Document Processing Desk (WAIVER APPEAL)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
1200 Pennsylvania Ave NW
Washington, DC 20460

By Courier:

Document Processing Desk (WAIVER APPEAL)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Room 266A, Crystal Mall #2
1801 South Bell St.
Arlington, VA 22202

If you have any questions, please contact Alexandra Zikely in the Information Services Branch at 703-305-6603.

Marty Monell
Deputy Director for Management
Office of Pesticide Programs



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

September 24, 2004

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

DREXEL CHEMICAL CO 1700 CHANNEL AVENUE, PO Box 13327 MEMPHIS, TN 38113-0327

5767643

Report of Analysis for Compliance with PR Notice 86-5

Thank you for your submittal of 23-SEP-04. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 86-5. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.



September 22, 2004

Document Processing Desk (APPL)
Office of Pesticide Programs (7504C)
US Environmental Protection Agency
Room 266A, Crystal Mall 2
1801 South Bell Street
Arlington, VA 22202

ATTN: Mr. Jim Tompkins, PM 25, Herbicide Branch

Re: Re-submission of Data in Support of Application for Registration per EPA's Letter dd. September 17, 2004

DREXEL ACETOCHLOR PLUS EPTC HERBICIDE (EPA File Symbol 19713-LAT)

#### Herewith:

- Completed EPA Form 8570-1
- 2. Three (3) copies of the following report revised according to the Report of Analysis for Compliance with PR Notice 86-5:

46369401

Drexel Acetochlor + EPTC Herbicide: Product identity, composition, analysis and physical properties (OPPTS 830.1550, 830.1600, 830.1650, 830.1670, 830.1750, 830.1800, 830.6302 830.6303, 830.6304, 830.6313, 830.6314, 830.6315, 830.6316, 830.6317, 830.6318, 830.6319, 830.6320, 830.6321, 830.7000, 830.7200, 830.7220, 830.7300, 830.7370; 830.7550; 830.7840; 830.7950) and its confidential appendix

If you have questions/clarification regarding this submission, I can be reached at (901) 774-4370. My e-mail address is Lchan@drexchem.com.

Thank you.

Respectfully yours,
DREXEL CHEMICAL COMPANY

Luz & Chan

Registration Manager

<b>\$EPA</b>	United States Environmental Protection Agency Washington, DC 20460					Registr Amend Other		OPP Identifier Number
	Ap	plication	n for Pestic	ide - Sec	tion	1		
1. Company/Product Number 19713- LAT	or			Product Man OMPKINS		3. Proposed Classification  None Restric		
4. Company/Product (Name DREXEL ACETOCHL		BICIDE	PM# 25/Herbicide Branch					]
MEMPHIS, TN 381	ompany, P.O. Box 13		(b)(i), to: EPA		is sim	ilar or iden 70-108	itical in co	FIFRA Section 3(c)(3) imposition and labeling
			Section -				~	
Resubmission in results in Notification - Explain Explanation: Use addition Three copies of the revised	nal page(s) if necessary.	(For section	I and Section II.)	Agency lett "Me Too"  Other - Exp  omitted.	Applica	ation.		
			Section -	111				
1. Material Thie Product Wi	il Be Packaged in:							
Child-Resistant Packaging Yes No Certification must submitted		lo. per container	Water Soluble I Yes No If "Yes" Package wgt	No Plastic Glass "Yes" No. per Paper				
3. Location of Net Contents	Information 4.	Size(s) Reta	il Container		5. Lo	cation of Le	bel Direction	ons
6, Manner in Which Label is	Affixed to Product	Lithogra Paper g Stencile	aph lued ed	Othe	-			
			Section - I	V				
1. Contact Point   Complete	items directly below for it	dentification	of individual to L	e contacted,	if nec	essary, to p	rocess this	application.)
Name LUZ G CHAN		1	Title REGISTRATION MANAGER				Telephone No. (Include Area Code (901) 774-4370	
	ments I have made on this ny knowlinglly false or mis		all attachments th					6. Date Application •Received  (Stamped) • • •

REGISTRATION MANAGER

September 22, 2004

5. Date

2. Signature

4. Typed Name

LUZ G CHAN

# **Fax**

Name:

[To] Luz G Chan

Organization:

[Of] Drexel Chemical Company

Fax:

[Fax]901 774 4666

Phone:

[Phone] 901 774 4370

From: Date: [From] Jim Tompkins

Subject:

[Date] Sept 21, 2004 [Subject] 86-5 Deficiencies

Pages:

4

Comments: [Comments]



September 14, 2004

Document Processing Desk (REGFEE)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Rm. 266A Crystal Mall #2
1801 South Bell St.
Arlington, VA 22202-4501

ATTN: MR. JIM TOMPKINS, PM 25/Herbicide Branch

Re: Application for a Me-Too Registration
DREXEL ACETOCHLOR PLUS EPTC HERBICIDE (EPA File Symbol 19713 -

Dear Mr. Tompkins,

Reference is made to the above. Herewith:

- 1. Completed EPA Form 8570-1
- Signed Voluntary Small Business Certification form. We consider this certification form as CONFIDENTIAL BUSINESS INFORMATION (CBI) and we ask the Agency to treat it as such.

We would like to refer you to Ms. Leigh Shockey's September 1, 2004 submission of the required supporting documents to Drexel's claim as Small Business to the Agency for product Drexel Simazat 90 DF (EPA File Symbol 19713-LLG).

Based on EPA's list of Pesticide Fee Categories, we believe that Category 86 (i.e. \$4000 Service Fee) applies to this application. However, as a Small Business, we want to apply for a 50% fee waiver.

- 3. Two (2) copies of the Basic and Alternate Formulation CSF
- 4. Formulator's Exemption Statement
- Five (5) copies of the proposed label (AcetochlorPlusEPTCHerbicide-0904++Pending).



- 6. Three (3) copies of the following report:
- i) Drexel Acetochlor + EPTC Herbicide: Product Identity, Composition, Analysis and Physical Properties (EPA Guidelines 830.1550, 1600, 1670, 1750, 1800, 6302, 6303, 6304, 6313, 6314, 6315, 6316, 6317, 6318, 6319, 6320, 6321, 7000, 7200, 7220, 7300, 7370, 7550, 7840, 7950)

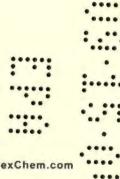
If you have questions/clarification regarding this submission, I can be reached at (901) 774-4370 or e-mail Lchan@drexchem.com.

'Thank you.

Respectfully yours,
DREXEL CHEMICAL COMPANY

Luz G Chan

Registration Manager





# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

September 17, 2004

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

DREXEL CHEMICAL CO 1700 CHANNEL AVENUE, PO Box 13327 MEMPHIS, TN 38113-0327

Report of Analysis for Compliance with PR Notice 86-5

Thank you for your submittal of 15-SEP-04. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

We are unable to accept your data submittal for further processing and review, because of the significant deficiencies noted below. It is being returned to you for correction. If deficiencies were found which apply to your overall submission, they are described immediately following this paragraph. If problems are found with individual studes, they are described below linked to the study identifier found on the enclosed copy of your bibliography.

Rejected Study [01]:

\* FIFRA Section 10(d)(1) only provides for confidentiality of information which: (A) discloses manufacturing or quality control processes, (B) discloses the details of any methods for testing, detecting, or measuring the quantity of any deliberately added inert ingredient of a pesticide, or (C) discloses the identity or percentage quantity of any deliberately added inert ingredient of a pesticide... Since your claim covers information entirely outside this narrow range of subject matter, it cannot be accepted.



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

October 5, 2004

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

#### PLEASE RETURN A COPY OF THIS LETTER WITH PAYMENT

OPP Decision Number: D-349683

EPA File Symbol or Registration Number: 19713-LAI Product Name: DREXEL ACETOCHLOR PLUS EPTC

EPA Receipt Date: 15-Sep-2004 EPA Company Number: 19713

Company Name: DREXEL CHEMICAL CO

LES SHOCKEY
DREXEL CHEMICAL CO
1700 CHANNEL AVENUE, PO Box 13327
MEMPHIS, TN 38113-0327

SUBJECT: Receipt of Registration Application and 50% Small Business Waiver Request

Dear Registrant:

The Office of Pesticide Programs has received your application for registration and 50% small business waiver request. If you submitted data with this application, the results of the PRN-86-5 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R30

NEW PRODUCT; ME-TOO PRODUCT FAST TRACK;

Your request for waiver has been forwarded for review. You will be notified in writing when a determination is made regarding your request. If your waiver request is approved, the decision review time period will start on either the date of approval or the receipt of payment, whichever is later. If you would like to avoid delaying the start date, you may pay the amount listed below at this time. If your waiver request is denied, you will receive an invoice for the outstanding balance.

Please remit payment in the amount of: \$ 1,000 to:

By USPS: USEPA Washington Finance Center Pesticide Registration Service Fee PO Box 360277 Pittsburgh, PA 15251

By Courier:
U.S. EPA Washington Finance Center
Pesticide Registration Service Fee
C/O Mellon Client Service Center
500 Ross Street, Room 670
Box 360277
Pittsburgh, PA 15251-6277
Attn: EPA Module Supervisor
Telephone: (412) 236-2294

All payments must be in United States currency by check, bank draft, or money order drawn to the order of the Environmental Protection Agency. To ensure proper credit, please write the OPP DECISION NUMBER on your check, and enclose a copy of this letter with your payment.

Sincerely.

If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 305-6249.

Front End Processing Staff

Information Resources and Services Division

# **Fee for Service**

This package includes the following	for Division
	X RD
Amendment	□ AD
X Waiver Request	□ BPPD
Voluntary Payment Request	
Receipt Nos. S- 767 642	
Product/Risk Manager: 25	
EPA File Symbol/Reg. No. 197/3-	LAI
Pin-Punch Date: 9/15/04	
Action Code:  Requested: $R-31$ Granted: $R-30$ Amount due:	\$ /,000
VolPay Reduction: Original Decision #: D	Child Decisions:
Reviewer: J. Miller Remarks: Application is missing Certification form and control of the contro	bata Citation
tox. data requirements are no registered product is cited as b	FFS cover sheet revision 4A
registered product is titled the sor	ung summar.



September 14, 2004

Document Processing Desk (REGFEE)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Rm. 266A Crystal Mall #2
1801 South Bell St.
Arlington, VA 22202-4501

ATTN: MR. JIM TOMPKINS, PM 25/Herbicide Branch

Re: Application for a Me-Too Registration

DREXEL ACETOCHLOR PLUS EPTC HERBICIDE (EPA File Symbol 19713 -

Dear Mr. Tompkins,

Reference is made to the above. Herewith:

- 1. Completed EPA Form 8570-1
- 2. Signed Voluntary Small Business Certification form. We consider this certification form as CONFIDENTIAL BUSINESS INFORMATION (CBI) and we ask the Agency to treat it as such.

We would like to refer you to Ms. Leigh Shockey's September 1, 2004 submission of the required supporting documents to Drexel's claim as Small Business to the Agency for product Drexel Simazat 90 DF (EPA File Symbol 197.13-LLG).

Based on EPA's list of Pesticide Fee Categories, we believe that Category 86 (i.e. \$4000 Service Fee) applies to this application. However, as a Small Business, we want to apply for a 50% fee waiver.

- 3. Two (2) copies of the Basic and Alternate Formulation CSF
- 4. Formulator's Exemption Statement
- Five (5) copies of the proposed label (AcetochlorPlusEPTCHerbicide-0904++Pending).

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1700 Channel Avenue • Post Office Box 13327 • Memphis, Tennessee 38113-0327 Phone: (901) 774-4370 • Fax: (901) 774-4666 • E-Mail: info@drexchem.com • www.DrexChem.com



- 6. Three (3) copies of the following report:
  - Drexel Acetochlor + EPTC Herbicide: Product Identity, Composition, Analysis and Physical Properties (EPA Guidelines 830.1550, 1600, 1670, 1750, 1800, 6302, 6303, 6304, 6313, 6314, 6315, 6316, 6317, 6318, 6319, 6320, 6321, 7000, 7200, 7220, 7300, 7370, 7550, 7840, 7950)

If you have questions/clarification regarding this submission, I can be reached at (901) 774-4370 or e-mail Lchan@drexchem.com.

'Thank you.

Respectfully yours,
DREXEL CHEMICAL COMPANY

Luz & Chan

Registration Manager

Chem.com

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1700 Channel Avenue • Post Office Box 13327 • Memphis, Tennessee 38113-0327 Phone: (901) 774-4370 • Fax: (901) 774-4666 • E-Mail: info@drexchem.com • www.DrexChem.com

<b>≎EPA</b>	Environmental	United States Environmental Protection Agency Washington, DC 20460				ation ment	OPP Identifier Number	
		Application	on for Pesticide -	Section	on I			
1. Company/Product Number 19713- LAI	r		2. EPA Produ JIM TOMPI	AND CONTRACTOR	er	3. Proposed Classification		
. Company/Product (Name) DREXEL ACETOCHLOR PLUS EPTC			PM# 25/Herbicide Branch					
Drexel Chemical Comember of Ap	ompany, P.O. Box		(b)(i), my pro to: EPA Reg.	No. <u>10</u>	similar or iden	itical in co	r FIFRA Section 3(c)(3) omposition and labeling tive Herbicide	
			Section - II	arrio	oubler ruj	DOTOG	orve herbreide	
Amendment - Explain Resubmission in resp Notification - Explain Explanation: Use addition Submission of an application Categories, we believe Cate please find the Certification such Please refer to Drexel's you.	below.  nal page(s) if necessary for a Me-Too registratio gory 89 (i.e. \$4000 Servi	n. Details are	Agei "Me Othe  Othe  on I and Section II.)  on the cover letter accomps. However, as a small but a Form as CONFIDENTIAL	ncy letter Too" App or - Explain eanying this siness, Dr. BUSINE	n below.  Is submission. Beyel wants to apps SS INFORMATI	ased on EF	0% fee waiver. Enclosed nd we ask EPA to treat it as	
		., . ,	Section - III		100			
1. Material This Product Will Child-Resistant Packaging Yes V No Certification must be submitted	Unit Packaging Yes No If "Yes" Unit Packaging wgt.	No. per container		o. per	2. Type o	Motel Plestic Gless Peper Other (	Specify)	
1.1	3. Location of Net Contents Information 4. Size(s) Retail Co     Label Container 2.5, 30,			teiner   5. Location of Lebel Directions   Con Gal; Bulk   On the label			ons	
6. Manner in Which Label is	Affixed to Product	/ Lithog Paper Stenc	raph glued iled	Other				
			Section - IV					
1. Contact Point   Complete	items directly below fo	or identification	n of individual to be cont	tacted, if	necessary, to p	rocess this	a application.)	
Name LUZ G CHAN			Title REGISTRATION MANAGER			Telephone No. (Include Area Code (901) 774-4370		
	y knowlingly false or r		ition all attachments thereto stement may be punishab				6. Date-Application Received (Stamped)	

REGISTRATION MANAGER

September 14, 2004

5. Date

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete.

2. Signature

LUZ G CHAN

White - EPA File Copy (original)

Yellow - Applicant Copy

United States

### **Environmental Protection Agency**

Washington, DC 20460

#### Formulator's Exemption Statement (40 CFR 152.85)

Applicant's Name and Address

Drexel Chemical Company P.O. Box 13327 Memphis, TN 38113-0327

EPA File Symbol/Registration Number

19713 -

Product Name

DREXEL ACETOCHLOR PLUS EPTC HERBICIDE

Date of Confidential Statement of Formula (EPA Form 8570-4)

September 14, 2004

As an authorized representative of the applicant for registration of the product identified above, I certify that:

(1) This product contains the following active ingredient(s):

ACETOCHLOR PLUS EPTC HERBICIDE

- (2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another producer, and is labeled for at least each use for which my product is proposed to be labeled.
- (3) Indicate by checking (A) or (B) below which paragraph applies:
- (A) An accurate Confidential Statement of Formula (EPA FORM 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).
- (B) The Confidential Statement of Formula (CSF) (EPA Form 8570-4) referenced above-and on file with the EPA is complete, current, and accurate and contains the information required on the current C9F.
- (4) The following active ingredients in this product qualify for the formulator's exemption

	Source	****
Active Ingredient	Product Name	Registration-humber
ACETOCHLOR		
*Product ingredient so	urce information may be entitled to	 o confidential treatment*
Signature	Name and Title	Date

Luz G Chan, Registration Manager

September 14, 2004

## RESTRICTED USE PESTICIDE

(Due To Oncogenicity)

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.



# Acetochlor plus EPTC Herbicide

Herbicide

Preplant incorporated herbicide for weed control (including Foxtails, Crabgrass, Barnyardgrass, and suppression of Woolly cupgrass, Wild proso millet and Field sandbur) in Field corn, production Seed corn, Silage corn, and Popcorn.

#### ACTIVE INGREDIENT:

EPTC: S-ethyl dipropylthiocarbamate	67.8%
Acetochlor: 2-Chloro-2-methyl-	
6-ethyl-N-ethoxymethylacetanilide	16.9%
OTHER INGREDIENTS:	15.3%
TOTAL:	100.0%

Contains 7.0 pounds of active ingredients per gallon. (5.6 lbs. a.i./gal. EPTC and 1.4 lbs. a.i./gal. acetochlor).

# KEEP OUT OF REACH OF CHILDREN WARNING / AVISO

(If you do not understand the label, find someone to explain it to you in detail.)

#### See FIRST AID Below

EPA Reg. No. 19713- LAT EPA Est. No.

Net Contents:

#### **FIRST AID**

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue

#### IF ON SKIN OR CLOTHING:

- Take off contaminated clothing
- Rinse skin immediately with plenty of water for 15 to 20 minutes.

#### IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow
- Do not induce vomiting unless told to do so by a poison control center or
- Do not give anything by mouth to an unconscious person.

#### IF INHALED:

- · Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

Manufactured For:

#### **Drexel Chemical Company** P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

#### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: Causes substantial but reversible eye injury and skin irritation. Harmful if swallowed or absorbed through skin. Do not get in eyes or on skin or clothing. Wear goggles or face shield. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, shoes plus socks and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 1 70.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### **USE SAFETY RECOMMENDATIONS**

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. 2) Remove clothing! PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply directly to water, or to areas where water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater

Acetochlor demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soil are permeable, particularly where the groundwater is shallow, may result in groundwater contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion. DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

> Acetochlor plus EPTCHerbicide 0904++ Pending ACETOCHLOR PLUS EPTC HERBICIDE Page 1 of 5

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forest, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, chemical-resistant gloves made of any waterproof material, shoes plus socks and protective evewear.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Acetochlor plus EPTC Herbicide is a selective soil applied herbicide which must be mixed or incorporated into the soil for control of weeds listed on this label. This herbicide controls weeds by interfering with normal germination and seedling development. It will not control established or germinated weeds present at application.

#### **USE RESTRICTIONS**

Do not apply to the following soils if groundwater depth is 30 feet or less: sand with less than 3% organic matter; loamy sand with less than 2% organic matter; or sandy loam with less than 1% organic mater.

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or piugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding well head setbacks and

Do not apply this product through any type of irrigation system. Do not use flood irrigation to apply or incorporate this product.

Product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures, or rinsates.

Do not apply under conditions which favor runoff or wind erosion of soil containing this product to nontarget areas. To prevent off-site movement due to runoff or wind erosion:

- Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface must first be settled by rainfall or irrigation.
- Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.
- Do not use tailwater from the first flood or furrow imigation of treated fields to treat nontarget crops unless at least one-half inch of rainfall has occurred between application and the first imigation.

Do not apply this product using aerial application equipment.

Do not apply when wind conditions favor drift to nontarget sites. To minimize spray drift to non-target areas:

 Use low pressure application equipment capable of producing a large droplet spray.

- · Do not use nozzles that produce a fine droplet spray.
- Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
- Keep ground-driven spray boom as low as possible above the target surface
- Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph, Avoid application when gusts approach 15 mph,

Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas, Avoid spraying during conditions of low humidity and/ or high temperatures. Do not apply during inversion conditions.

#### GENERAL USE PRECAUTIONS

Read all label directions before using.

Do not use this product on any crop other than Corn.

If crop treated with this product is lost, Corn may be replanted Immediately. Do not make a second application of this product or equivalent product such as OoublePlay\*.

This product can be stored at temperatures as low as minus 25°F.

This product should be used for recommended purposes and at recommended rates. Do not overdose.

This product is recommended for use only on mineral soils (those soils containing less than 10% organic matter).

Do not use this product on Corn seed stock such as Breeders, Foundation, or Increase.

This product may be used on production Seed corn.

Do not use this product on Sorghum or Milo.

Do not allow this product to contaminate water to be used on susceptible crops and ornamentals, or for domestic purposes.

Do not allow this product to contaminate feed or food.

This product should not be stored near seeds or fertilizers.

All containers of this product should be kept tightly closed when not in use

This product will not harm the treated crop nor leave harmful soil residues past harvest when applied properly and environmental conditions exist for normal plant growth during the season.

Adverse conditions such as unusually cold and wet or hot and dry weather during germination and early growth; insect, nematode, or plant disease attack; carryover soil residues of persistent herbicides; or use of certain soil applied systemic insecticides can create abnormal conditions that weaken crop seedlings. This product used under these conditions could result in crop injury.

Continuous use of this product in the same fields consecutively year after year can, in some areas, lead to a decrease in the level of performance. As a precaution, fields treated with this product should be rotated with another crop or herbicide classification on an annual program.

ROTATIONAL CROPS: Corn, Soybeans, Sorghum, or Tobacco may be planted the spring following application. Wheat may be planted 4 months after application.

Do not rotate to crops other than Corn, Soybeans, Sorghum, Tobacco, or Wheat.

### APPLICATION DIRECTIONS

# CARRIERS

Liquids - Either water or fluid fertilizers such as solutions, slurries, or suspensions may be used as liquid carriers. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if this product is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

Dry Bulk Fertilizer - This product may be impregnated on dry bulk fertilizer and applied as the fertilizer is spread.

Bulk fertifizer Impregnated with this product should be applied immediately, not stored.

It is recommended that all bulk containers be tightly covered while the product is being transported and applied to reduce probability of EPTC loss via volatilization.

When application and incorporation are done in separate operations, impregnated fertilizer must be incorporated on the same day as applied.

When separate operations delay incorporation, applications must be made on a soil surface dry to one-half inch deep and free from dew and incidental moisture.

See APPENDIX II and consult your local dealer for details including what fertilizers are compatible.

#### ADDING TO SPRAY TANK

If this product is used alone:

Add the recommended amount to a clean (thoroughly rinsed and deconlaminated) spray lank before it is half filled so that addition of the remaining water or fluid fertilizer carrier can ald in the thorough agitation and mixing of the spray solution.

If a tank mixture is used:

See directions under the TANKMIX COMBINATIONS section of this label.

#### VOLUME

Apply in 10 to 60 gallons of water or fluid fertilizer per acre using a property calibrated sprayer having good agitation.

#### PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern.

#### SOIL MOISTURE AND TILTH

Improper incorporation or poor tith such as large clods may result in erratic or unsatisfactory weed control.

The soil should be dry enough to permit good soil mixing or incorporation. Any application of this product that is not immediately incorporated in the same operation must be made to a soil surface dry to at least one-half inch deep and free from dew and incidental moisture.

#### INCORPORATION TIMING

Application and incorporation should be done in the same operation when possible.

Applications in water or fluid fertilizer must not have more than a 4 hour delay between application and incorporation.

When application and incorporation are separate operations in the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product must be incorporated the same day as applied. See moisture statement above.

This product impregnated on dry bulk fertilizer must be incorporated on the same day as application. See moisture statement above.

#### INCORPORATION EQUIPMENT AND METHODS

This product must be incorporated into the soil to prevent loss of the herbicide.

Field cultivator Use on all soils in good tilth. Equip with 3 to 4 rows of sweeps spaced at 7 inches or less and staggered from row to row to leave no soil unturned or undisturbed. Set the field cultivator to cut 4 inches deep. Operate at 6 mph or more. Follow by a harrow or leveling device. Chisel plows or point should not be used. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, use two passes to improve control.

Tandem disc: Can be used on all soil types. Set disc to cut 4 inches deep. Operated disc at 4 to 6 mph. Follow disc by a harrow or leveling device slightly wider than that of the disc. Two passes in different directions will improve incorporation. On the second pass the disc should be operated 1 inch shallower than on the first pass. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, a second incorporation will improve control or suppression.

Sprinkler Irrigation: Do not apply this product by sprinkler irrigation. Use a sprinkler system only to incorporate this product after applying by ground equipment as follows:

In the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product may be surface applied immediately after planting.

See soil moisture statement above.

This product can then be incorporated using one-half to three-fourths inch of water within 38 hours following application.

Application and incorporation must be done within 5 days after the last tillage operation since poor results will occur if weeds have germinated.

#### PLANTING

Planting should occur as soon as possible after application and always within 2 weeks after treatment. Plant seed to maximum depth of 2 inches.

Avoid moving or shaping soil after incorporation since this can remove this product from the row and result in a loss of weed control.

#### CULTIVATION

Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control.

A shallow cultivation is less than one-half the depth of incorporation.

#### WEEDS CONTROLLED AND USE RATES

Consult Table 1 below. Note "Comments and Restrictions" column in Table 1.

#### Table 1: This Product Broadcast Rate Per Acre

The annual broadleaf weeds listed below will be controlled only if treatment is made when conditions are favorable for weed seed germination and growth, Under prolonged conditions of very cold soil, control of the listed broadleaf weeds may not be adequate.

Annual Grass and Broadleaf Weeds	Scientific Name	U.S. (Except CA, AZ, FL)	C= Control PC= Partial Control	Comments and Restrictions
Barnyardgrass (Watergrass	Echinochloa spp.	4.5 - 7 pts.	С	General
Foxtail, giant	Setaria faberi	4.5 - 7 pts.	С	Use the lower rate for light infestations and
Foxtail, green	Setaria viridis	4.5 - 7 pts.	С	coarse textured soils.  Do not exceed 8 pints
Foxtail, yellow	Setaria lutescens	4.5 - 7 pts.	С	per acre per year.
Crabgrass	Digitaria spp.	4.5 - 7 pts.	С	When this product is used in the
Panicum, fall	Panicum dichotomiflorum	4.5 - 7 pts.	С	Southeastern U.S. on silage Com, do not
Lambsquarters, common	Chenopodium album	5 - 7 pts.	С	seed small grains until September,
Nightshade, black	Solanum nigrum	5 - 7 pts.	С	When furrow imigation is used on flat planted
Nightshade, hairy	Solanum sarachoides	5 - 7 pts.	С	Com on the Western slope of Colorado, do
Pigweed, redroot (Common)	Amaranthus retroflexus	5 - 7 pts.	С	not form furrows until Com is in the three- leaf stage.
Tall waterhemp	Amaranthus spp.	5 - 7 pts	С	Soils lacking enough moisture for seed
Field sandbur'	Cenchrus pauciflorus	6 - 8 pts.	PC	germination must be pre-imigated prior to
Wild proso millet <sup>1</sup>	Panicum milia ceum	6 - 8 pts.	PC	this product's application
Woolly cupgrass'	Eriochloa viridis	6 - 8 pts.	PC	
Volunteer barley	Hordeum vulgare	5 - 7 pts.	PC	
Volunteer oats	Avena sativa	5 - 7 pts.	PC	1
Volunteer wheat	Triticum aestivum	5 - 7 pts.	PC	
Wild oats	Avena fatua	5 - 7 pts.	C	

For band applications, calculate the amount to be applied per acre as fol-

row width in inches

x broadcast rate per acre

amount needed per acre of field

# TANK MIX COMBINATIONS

### BALANCE® HERBICIDE

See Balance label for Balance use rates. Not labeled in all states. Please refer to the Balance label for precautionary statements, directions for use, and geographic and other restrictions. Refer to the use rate section of this product for minimum use rates.

#### ATRAZINE HERBICIDE COMBINATIONS

For control of additional weeds and increased control of labeled broadleaf weeds, atrazine may be tank mixed and applied preplant incorporated with recommended use rates of this product.

Do not apply atrazine through any irrigation system.

Atrazine combinations may be impregnated on dry bulk fertilizer. See AP-PENDIX II and consuit your local dealer for details including what fertilizers are compatible.

As an alternative, atrazine at recommended rates may be applied preemergence to the soil surface following a preplant incorporated treatment of this product at recommended rates.

If a preemergence application of atrazine is used, consult the directions on the atrazine label. A preemergence application of atrazine may require a rotary hosing or shallow cultivation if rainfall or sprinkler irrigation has occurred within 10 days of the surface application.

# GENERAL USE PRECAUTIONS FOR ATRAZINE

Follow all the use precautions and warnings that appear on the atrazine label and supplemental literature.

Make only one application per crop.

After a treatment of atrazine do not plant any crop except Corn until the following year or injury may occur.

#### CARRIERS

Liquids — The tankmix combinations may be applied using the same liquid carriers as this product used alone. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if the tankmix is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

Dry bulk fertilizer — Tankmixes with atrazine combinations may be impregnated on dry bulk fertilizer. Follow all directions and precautions listed on this tabel under this product applied alone on impregnated dry bulk fertilizer.

#### ADDING TO SPRAY TANK

It is recommended that the compatibility of any tankmix combination be tested on a small scale, such as a jar test, before actual tank mixing. See Appendix I for details on the procedure for such a test.

Fill a thoroughly rinsed and decontaminated spray tank two-thirds full of clean water.

Start and continue moderate agitation throughout mixing. Excessive agitation may cause the atrazine to settle out and set up in the spray tank.

All return lines to the spray tank must discharge below liquid level. For some combinations, premixing wettable powders in a little water in a pail or bucket before adding them to the spray tank will improve the com-

patibility of the final mixture.

Premix the atrazine making sure it is thoroughly wetted and dispersed in the tank before adding this product.

Add this product to the tank that is two-thirds full of water already mixed with the approved tankmix product and continue filling tank.

The tankmix combination should not be left in the spray tank for prolonged periods. Batches should be mixed and applied the same day.

#### VOLUME

Apply all tankmixes in 20 to 60 gallons of liquid per acre

#### PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern

#### SOIL MOISTURE AND TILTH

Same as for this product alone.

#### **INCORPORATION TIMING**

Same as for this product alone

# INCORPORATION EQUIPMENT AND METHODS

Same as for this product alone.

Do not apply this product or atrazine through a center pivot sprinkler imgation system.

#### PLANTING

Same as for this product alone,

#### CULTIVATION

Same as for this product alone.

Banvel, 2,4-D, and Other Herbicides:

A sequential application of 2,4-D, Banvel®, Clarity®, Marksman®, Buctril®, BuctrillAtrazine, Basagran®, Laddok®, or other preemergence or postemergence herbicides may be necessary to control weeds not controlled by this product.

# WEEDS CONTROLLED AND USE RATES TABLE 2: TANK MIX WITH ATRAZINE

This product plus atrazine tankmix will control the additional weeds listed below and under unfavorable conditions, improve the control of broadleaf weeds listed in Table 1. Please refer to atrazine label for rates and weeds controlled.

Additional Weeds Controlled with Atrazine Tankmix Combination	Scientific Name	C = Control PC = Partial Control
Cocklebur, common	Xanthium pensylvanicum	PC
Jimsonweed	Datura stramonium	С
Kochia	Kochia scoparia	С
Mustard	Brassica spp.	С
Ragweed	Ambrosia spp.	С
Smartweed	Polygonum spp.	С
Thistle, Russian	Salsola kali	С
Velvetleaf	Abutilon theophrasti	С
Witchgrass	Panicum capillare	С

# APPENDIX!

Procedure for Testing the Compatibility of this product with Fluid Fartilizers and Tankmix Combinations

The following procedure is suggested for determining whether or not this product may be combined with a specific fluid fertilizer or tankmix herbicide for spray tank application.

#### MATERIALS REQUIRED

- 1. This product
- 2. Fluid fertilizer and tankmix herbicides
- Adjuvant for spray tank mix combinations: Use any adjuvant cleared for use on growing crops under 40 CFR 180.1001 to improve the compatibility of this product. The adjuvant which provides the best emulsification depends on the specific herbicide under consideration.
- 4. Two one-quart, wide mouth glass jars with lid or stopper.
- Measuring spoons, a 25 mL pipette or graduated cylinder provides more accurate measurement,
- 6. Measuring cup, 8 ounces (237 mL).

#### PROCEDURE

Pour a pint or about 473 mL of the fluid fertilizer or water into each of the quart Jars.

Add adjuvant to one of the lars and mix. Two mL or two-fifths of a teaspoon of adjuvant added to 1 pint of fluid fertilizer or water will equal 3 pints of adjuvant per 100 gallons of fluid fertilizer or water.

If a tankmix is being tested, premix the wettable powders in one-eighth cup of water prior to addition to the pint of fluid fertilizer or water,

Add this product to both jars. See Table 3 for rate to use

Close both jars with fid or stopper and mix the contents by turning the jars upside down ten times.

Inspect the surface and body of the mixture:

- · Immediately after completing the jar inversions.
- After allowing the jars to stand quietly for 30 minutes.
- And then again after turning the jars upside down 10 times after the 30 minute wait.

#### **EVALUATION**

If a uniform mixture cannot be made, the mixture should not be used.

If either mixture remains uniform for 30 minutes, the combination may be used.

Should either mixture separate after 30 minutes, but readily remixes uniformly with ten jar inversions, the mixture can be used if adequate agitation is maintained in the tank.

If the mixture with adjuvant is satisfactory, but the one without adjuvant is not, be sure to use the adjuvant in the spray tank.

If adjuvant is needed, add it first at a rate of 3 pints per 100 gallons of fluid fertilizer or water. Foaming can be minimized by using moderate agitation.

If nondispersible oil, sludge, or clumps of solids form in the mixture, the combination should not be used.

#### TABLE 3: RATE TABLE FOR THIS PRODUCT IN COMPATIBILITY TESTS

Gallons of	Amount of Adjuvant to Add to the				aspoo nis Pro					
Fluid Fertilizer to	3.23	1 Pint of Liquid 4 pts.		sJA	5 pts JA		6 pts/A		7 pts/A	
be Applied Per Acre	ml	Тър	ml	Тэр	ml	Tsp	ml	Тэр	ml	Тар
10 gals.	2	0.4	22.0	4.4	28.0	5.6	35.0	7	42.0	8.4
15 gals.	2	0.4	16.0	3.2	20.0	4	25.0	5	30.0	6
20 gals.	2	0.4	13.0	2.6	16.0	3.2	20.0	4	24.0	4.8
25 gals.	2	0.4	9.0	1.8	12.0	2.4	15.0	3	18.0	3.6
30 gals.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4
40 gais.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4

### IMPREGNATION ON DRY BULK FERTILIZERS

Consult your local dealer for more details.

This product alone and tankmix combinations with atrazine may be impregnated on dry bulk fertilizer. Impregnation of dry bulk fertilizer with atrazine must be limited to 500 tons per day for no more than 30 days per calendar year per facility.

Caution: This product alone and in combination tankmixes must not be impregnated on ammonium nitrate, potassium nitrate, or sodium nitrate fertilizers. Such mixtures may cause explosion and fire.

All individual state regulations relating to dry bulk fertilizer blending, registration, labeling, and application are the responsibility of the individual and/ or company selling the herbicide and fertilizer mixtures.

Fertilizer Ingredient	N	Р	K
Ammonium sulfate	21	0	0
Diammonium phosphate	18	46	0
Potassium chloride	0	0	60
Potassium sulfate	0	0	52
Single Super-phosphate	0	20	0
Treble Super-phosphate	0	46	0
Urea*	45	0	0
Ammonium phosphate-sulfate	16	20	0
K-Mag/Sul-Po-Mag	0	0	21
Monoammonium phosphate	11	48	0

TABLE 5: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT IN TANKMIX COMBINATIONS WITH ATRAZINE

known to be safe for Com application.

known to be safe for Com application.

Fertilizer Ingredient	N	P	K
Ammonium sulfate	21	0	0
Diammonium phosphate	18	46	0
Potassium chloride	0	0	60
Potassium sulfate	0	0	52
Single Super-phosphate	0	20	0
Treble Super-phosphate	0	46	0
Urea*	45	0	0
Ammonium phosphate-sulfate	16	20	0
K-Mag/Sul-Po-Mag	0	0	21
Monoammonium phosphate	11	48	0

Do not combine this product plus atrazine 4L or SOW with 0-20-0 or 0-46-0. Uniform impregnation of the herbicides on dry bulk fertilizer particles and uniform application in the field are necessary to assure good results.

A minimum of 200 and a maximum of 1200 pounds of approved impregnated ingredients from Tables 4 and 5 must be applied per acre.

Use a closed rotary drum mixer or similar type of closed blender equipped with suitable spray equipment.

The spray nozzle should be positioned inside of the mixer to provide uniform spray coverage of the tumbling fertilizer and provide a uniform fine spray pattern.

Tankmix combinations may be added separately or mixed in the proposed use ratio in a uniform slurry for joint soray impregnation.

Physical properties of fertilizers vary in liquid absorptive capacity. When absorptivity is sufficient, simple spray impregnation of the fertilizer with the herbicides provides a satisfactory, dry mixture.

When the absorptive capacity is not adequate, use of a drying agent is required to provide dry, free-flowing mixtures.

# DRYING AGENT FOR SPINNING-DISC APPLICATORS

Micro-Cel® E calcium silicate powder

# DRYING AGENTS FOR PNEUMATIC APPLICATORS

Micro-Cel E calcium silicate powder

Agsorb® 16/30 RVM-MS granular clay

Celatom® MP-79

Celatom MP-79

Orying agents should be added separately and uniformly to the previously impregnated herbicide-fertilizer mixture to insure that the mixture is free-flowing. Generally the following amounts are sufficient:

Micro-Cel E calcium silicate powder les Agsorb 16/30 RVM-MS granular clay les

less than 2% by weight less than 5% by weight less than 5% by weight

The amount of this product and atrazine actually required in the manufacture of individual fertilizer mixtures should be determined carefully for each production operation (see Table 6). This is necessary to ensure that the amount of herbicide actually contained in the mixture applied to the soil represents the correct use rate.

### PHYSICAL DATA

Specific Gravity: 0 99 at 68°F (20°C)
Pounds/Gallon: 8 27 at 68°F (20°C)

Flashpoint: >200°F

Viscosity: Sprayable down to minus 20°F (-29°C)

TABLE 6: RATE CHART FOR IMPREGNATION OF DRY BULK FERTILIZER WITH THIS PRODUCT AND ATRAZINE PER TON OF FERTILIZER

Fertilizer	Th	is Produc	ct	Atrazi	ne 4L	Atrazine 80W		
Rate Per Acre	@ 4 pts/A	@ 5 pts/A	@ 6 pts./A	@ 2 pts./A	@ 3 pts./A	@ 1.25 lbs/A	@ 2 lbs./A	
200 lbs.	20 qts.	25 qts.	30 qts.	10 qts.	15 qts.	12.5 lbs.	20 lbs	
300 lbs.	13.33 qts.	16.66 qts.	20 qts.	6.66 qts.	10 qts.	8.33 lbs.	13.33 lbs.	
400 lbs.	10 qts.	12.5 qts.	15 qts.	5 qts.	7.5 qts.	6.25 lbs.	10 lbs	
500 lbs.	8 qts.	10 qts.	12 qts.	4 qts.	6 qts.	5 lbs.	8 lbs.	
600 lbs.	6.66 qts.	8.25 qts.	10 qts.	3,33 qts.	5 qts.	4.2 lbs.	6,66 lbs.	
700 lbs.	5.75 qts.	7.25 qts.	8.5 qts.	2.82 qts.	4,25 qts.	3.66 lbs.	5.6 lbs	

# STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. **PESTICIDE STORAGE:** Keep container tightly closed when not in use. Do not store near seed, fertilizer, or foodstuffs, Can be stored at temperatures as low as minus 25°F.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instruction, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and Local authorities.

FOR BULK AND MINI-BULK CONTAINERS CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

FOR MINI-BULK CONTAINERS: REFILL ONLY WITH THIS PRODUCT. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than this product will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

Circulation before dispensing is required.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

### WARRANTY-CONDITIONS OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

DoublePlay is a trademark of Syngenta Group Company.

Agsorb is a trademark of Oil-Dri Corporation of America

Balance and Bucuril are trademarks of Bayer CropScience

Banvel, Basagran, Clerity, Leddok and Marksman are trademarks of BASF

Celetom is a trademark of Eagle-Picher Minerals, Inc.

Micro-Cel is a trademark of Celife Corporation, C/o World Minerals Inc.

Menufactured For:

Drexel Chemical Company
P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINGE 1972

# RESTRICTED USE PESTICIDE

(Due To Oncogenicity)

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.



# Acetochlor plus EPTC Herbicide

Herbicide

Preplant incorporated herbicide for weed control (including Foxtails, Crabgrass, Barnyardgrass, and suppression of Woolly cupgrass, Wild proso millet and Field sandbur) in Field corn, production Seed corn, Silage corn, and Popcorn.

#### ACTIVE INGREDIENT:

EPTC: S-ethyl dipropylthiocarbamate	67.8%
Acetochlor: 2-Chloro-2-methyl-	
6-ethyl-N-ethoxymethylacetanilide	16.9%
OTHER INGREDIENTS:	15.3%
TOTAL:	100.0%

Contains 7.0 pounds of active ingredients per gallon. (5.6 lbs. a.l./gal. EPTC and 1.4 lbs. a.l./gal. acetochlor).

# WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a ustad en detalla (If you do not understand the label, find someone to explain it to you in detail.)

## See FIRST AID Below

EPA Reg. No. 19713-

EPA Est. No.

Net Contents:

#### FIRST AID

#### IF IN EYES

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

# IF ON SKIN OR CLOTHING:

- · Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.

#### IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vorniting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

#### IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

Manufactured For:

# Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

# PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: Causes substantial but reversible eye injury and skin irritation. Harmful if swallowed or absorbed through skin. Do not get in eyes or on skin or clothing. Wear goggles or face shield. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, shoes plus socks and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 1 70.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS

# **USE SAFETY RECOMMENDATIONS**

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. 2) Remove clothing! PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply directly to water, or to areas where water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Acetochlor demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soil are permeable, particularly where the groundwater is shallow, may result in groundwater contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion. DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Acetochlor plus EPTCHerbicide 0904++ Pending ACETOCHLOR PLUS EPTC HERBICIDE Page 1 of 5

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forest, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, chemical-resistant gloves made of any waterproof material, shoes plus socks and protective eyewear.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated

Acetochlor plus EPTC Herbicide is a selective soil applied herbicide which must be mixed or incorporated into the soil for control of weeds listed on this label. This herbicide controls weeds by interfering with normal germination and seedling development. It will not control established or germinated weeds present at application.

#### **USE RESTRICTIONS**

Do not apply to the following soils if groundwater depth is 30 feet or less: sand with less than 3% organic matter; loamy sand with less than 2% organic matter; or sandy loam with less than 1% organic mater.

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding well head setbacks and operation containment.

Do not apply this product through any type of irrigation system. Do not use flood irrigation to apply or incorporate this product.

Product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures, or rinsates.

Do not apply under conditions which favor runoff or wind erosion of soil containing this product to nontarget areas. To prevent off-site movement due to runoff or wind erosion:

- Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface must first be settled by rainfall or irrigation.
- Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.
- Do not use tailwater from the first flood or furrow imgation of treated flelds to treat nonlarget crops unless at least one-half inch of rainfall has occurred between application and the first irrigation.

Do not apply this product using aerial application equipment.

Do not apply when wind conditions favor drift to nontarget sites. To minimize spray drift to non-target areas:

 Use low pressure application equipment capable of producing a large droplet spray.

- · Do not use nozzles that produce a fine droplet spray.
- Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
- Keep ground-driven spray boom as low as possible above the target surface.
- Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid application when gusts approach 15 mph.

Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/or high temperatures. Do not apply during inversion conditions.

#### **GENERAL USE PRECAUTIONS**

Read all label directions before using.

Do not use this product on any crop other than Corn

if crop treated with this product is lost, Corn may be replanted immediately. Do not make a second application of this product or equivalent product such as DoublePlay\*.

This product can be stored at temperatures as low as minus 25°F.

This product should be used for recommended purposes and at recommended rates. Do not overdose.

This product is recommended for use only on mineral soils (those soils containing less than 10% organic matter).

Do not use this product on Corn seed stock such as Greeders, Foundation, or Increase.

This product may be used on production Seed corn,

Do not use this product on Sorghum or Milo.

Do not allow this product to contaminate water to be used on susceptible crops and ornamentals, or for domestic purposes.

Do not allow this product to contaminate feed or food.

This product should not be stored near seeds or fertilizers.

All containers of this product should be kept tightly closed when not in use.

This product will not harm the treated crop nor leave harmful soil residues past harvest when applied properly and environmental conditions exist for normal plant growth during the season.

Adverse conditions such as unusually cold and wet or hot and dry weather during germination and early growth; insect, nematode, or plant disease attack; carryover soil residues of persistent herbicides; or use of certain soil applied systemic insecticides can create abnormal conditions that weaken crop seedlings. This product used under these conditions could result in crop injury.

Continuous use of this product in the same fields consecutively year after year can, in some areas, lead to a decrease in the level of performance. As a precaution, fields treated with this product should be rotated with another crop or herbicide classification on an annual program.

ROTATIONAL CROPS: Corn, Soybeans, Sorghum, or Tobacco may be planted the spring following application. Wheat may be planted 4 months after application.

Do not rotate to crops other than Corn, Soybeans, Sorghum, Tobacco, or Wheat.

# **APPLICATION DIRECTIONS**

#### CARRIERS

Liquids - Either water or fluid fertilizers such as solutions, slurries, or suspensions may be used as liquid carriers. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if this product is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

Dry Bulk Fertilizer - This product may be impregnated on dry bulk fertilizer and applied as the fertilizer is spread.

Bulk fertilizer impregnated with this product should be applied immediately, not stored.

It is recommended that all bulk containers be tightly covered while the product is being transported and applied to reduce probability of EPTC loss via volatilization.

When application and incorporation are done in separate operations, impregnated fertilizer must be incorporated on the same day as applied.

When separate operations delay incorporation, applications must be made on a soil surface dry to one-half inch deep and free from dew and incidental moisture.

See APPENDIX II and consult your local dealer for details including what fertilizers are compatible.

#### ADDING TO SPRAY TANK

If this product is used alone:

Add the recommended amount to a clean (thoroughly rinsed and decontaminated) spray tank before it is half filled so that addition of the remaining water or fluid fertilizer carrier can aid in the thorough agitation and mixing of the spray solution.

If a tank mixture is used:

See directions under the TANKMIX COMBINATIONS section of this label.

#### VOLUME

Apply in 10 to 60 gallons of water or fluid fertilizer per acre using a property calibrated sprayer having good agitation.

#### PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern

#### SOIL MOISTURE AND TILTH

Improper Incorporation or poor tilth such as large clods may result in erratic or unsatisfactory weed control.

The soil should be dry enough to permit good soil mixing or incorporation. Any application of this product that is not immediately incorporated in the same operation must be made to a soil surface dry to at least one-half inch deep and free from dew and incidental moisture.

#### INCORPORATION TIMING

Application and Incorporation should be done in the same operation when possible.

Applications in water or fluid fertilizer must not have more than a 4 hour delay between application and incorporation.

When application and incorporation are separate operations in the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product must be incorporated the same day as applied. See moisture statement above. This product impregnated on dry bulk fertilizer must be incorporated on the

same day as application. See moisture statement above INCORPORATION EQUIPMENT AND METHODS

This product must be incorporated into the soil to prevent loss of the herbicide.

Field cultivator Use on all soils in good tilth. Equip with 3 to 4 rows of sweeps spaced at 7 inches or less and staggered from row to row to leave no soil unturned or undisturbed. Set the field cultivator to cut 4 inches deep. Operate at 6 mph or more. Follow by a harrow or leveling device. Chisel plows or point should not be used. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, use two passes to improve control. Tandem disc: Can be used on all soil types. Set disc to cut 4 inches deep. Operated disc at 4 to 6 mph. Follow disc by a harrow or leveling device slightly wider than that of the disc. Two passes in different directions will improve incorporation. On the second pass the disc should be operated 1 inch shallower than on the first pass. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, a second incorporation will improve control or suppression.

Sprinkler Irrigation: Do not apply this product by sprinkler irrigation. Use a sprinkler system only to incorporate this product after applying by ground equipment as follows:

In the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product may be surface applied immediately after planting. See soil moisture statement above.

This product can then be incorporated using one-half to three-fourths inch of water within 36 hours following application.

Application and incorporation must be done within 5 days after the last tillage operation since poor results will occur if weeds have germinated.

#### PLANTING

Planting should occur as soon as possible after application and always within 2 weeks after treatment. Plant seed to maximum depth of 2 inches. Avoid moving or shaping soil after incorporation since this can remove this product from the row and result in a loss of weed control.

#### CULTIVATION

Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control.

A shallow cultivation is less than one-half the depth of incorporation.

# WEEDS CONTROLLED AND USE RATES

Consult Table 1 below. Note "Comments and Restrictions" column in Table 1.

Table 1: This Product Broadcast Rate Per Acre

The annual broadleaf weeds listed below will be controlled only if treatment is made when conditions are favorable for weed seed germination and growth. Under prolonged conditions of very cold soil, control of the listed broadleaf weeds may not be adequate.

Annual Grass and Broadleaf Weeds	Scientific Name	U.S. (Except CA, AZ, FL)	C= Control PC= Partial Control	Comments and Restrictions
Barnyardgrass (Watergrass	Echinochioa spp.	4.5 - 7 pts.	С	General
Foxtall, glant	Setaria faberi	4.5 - 7 pts.	С	Use the lower rate for light infestations and
Foxtail, green	Setaria viridis	4.5 - 7 pts.	С	coarse textured soils.  Do not exceed 8 pints
Foxlail, yellow	Setaria lutescens	4.5 - 7 pts.	С	per acre por year.
Crabgrass	Digitaria spp.	4.5 - 7 pts.	С	When this product is used in the
Panicum, fall	Panicum dichotomiflorum	4.5 - 7 pts.	С	Southeastern U.S. on silage Corn, do not
Lambsquarters, common	Chenopodium album	5 - 7 pts.	С	seed small grains until September,
Nightshade, black	Solanum nigrum	5 - 7 pts.	С	When furrow imigation is used on flat planted
Nightshade, hairy	Solanum sarachoides	-5 - 7 pts.	С	Com on the Western slope of Colorado, do
Pigweed, redroot (Common)	Amaranthus retroflexus	5 - 7 pts.	С	not form furrows until Com is in the three- leaf stage.
Tall waterhemp	Amaranthus spp.	5 - 7 pts.	С	Soils lacking enough moisture for seed
Field sandbur¹	Cenchrus pauciflorus	6 - 8 pts.	PC	germination must be pre-irrigated prior to
Wild proso millet <sup>1</sup>	Panicum milla ceum	6 - 8 pts.	PC	this product's application
Woolly cupgrass'	Eriochloa viridis	6 - 8 pts.	PC	
Volunteer barley	Hordeum vulgare	5 - 7 pts.	PC	
Volunteer oats	Avena sativa	5 - 7 pts.	PC	]
Volunteer wheat	Triticum aestivum	5 - 7 pts.	PC	
Wild oats	Avena fatua	5 - 7 pts.	С	

For band applications, calculate the amount to be applied per acre as follows:

row width in inches

x broadcast rate per acre

amount needed per acre of field

## TANK MIX COMBINATIONS

#### BALANCE® HERBICIDE

See Balance label for Balance use rates. Not labeled in all states. Please refer to the Balance label for precautionary statements, directions for use, and geographic and other restrictions. Refer to the use rate section of this product for minimum use rates.

# ATRAZINE HERBICIDE COMBINATIONS

For control of additional weeds and increased control of labeled broadleaf weeds, atrazine may be tank mixed and applied preplant incorporated with recommended use rates of this product.

Do not apply atrazine through any irrigation system.

Atrazine combinations may be impregnated on dry bulk fertilizer. See AP-PENDIX II and consult your local dealer for details including what fertilizers are compatible.

As an alternative, atrazine at recommended rates may be applied preemergence to the soil surface following a preplant incorporated treatment of this product at recommended rates.

If a preemergence application of atrazine is used, consult the directions on the atrazine label. A preemergence application of atrazine may require a rotary hoeing or shallow cultivation if rainfall or sprinkler irrigation has occurred within 10 days of the surface application.

#### GENERAL USE PRECAUTIONS FOR ATRAZINE

Follow all the use precautions and warnings that appear on the atrazine label and supplemental literature.

Make only one application per crop.

After a treatment of atrazine do not plant any crop except Corn until the following year or injury may occur.

#### CARRIERS

Liquids — The tankmix combinations may be applied using the same liquid carriers as this product used alone. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if the tankmix is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

Dry bulk fertilizer — Tankmixes with atrazine combinations may be impregnated on dry bulk fertilizer. Follow all directions and precautions listed on this label under this product applied alone on impregnated dry bulk fertilizer.

#### ADDING TO SPRAY TANK

It is recommended that the compatibility of any tankmix combination be tested on a small scale, such as a jar test, before actual tank mixing. See Appendix I for details on the procedure for such a test.

Fill a thoroughly rinsed and decontaminated spray tank two-thirds full of clean water.

Start and continue moderate agitation throughout mixing. Excessive agitation may cause the atrazine to settle out and set up in the spray tank.

All return lines to the spray tank must discharge below liquid level.

For some combinations, premixing wettable powders in a little water in a pail or bucket before adding them to the spray tank will improve the compatibility of the final mixture.

Premix the atrazine making sure it is thoroughly wetted and dispersed in the tank before adding this product.

Add this product to the tank that is two-thirds full of water already mixed with the approved tankmix product and continue filling tank.

The tankmix combination should not be left in the spray tank for prolonged periods. Batches should be mixed and applied the same day.

#### VOLUME

Apply all lankmixes in 20 to 60 gallons of liquid per acre.

#### PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern

#### SOIL MOISTURE AND TILTH

Same as for this product alone.

#### INCORPORATION TIMING

Same as for this product alone

# INCORPORATION EQUIPMENT AND METHODS

Same as for this product alone.

Do not apply this product or atrazine through a center pivot sprinkler irrigation system.

#### PLANTING

Same as for this product alone.

#### CULTIVATION

Same as for this product alone.

Banveff, 2,4-D, and Other Herbicides:

A sequential application of 2,4-D, Banvel®, Clarity®, Marksman®, Buctril®, Buctril®, Basagran®, Laddok®, or other preemergence or postemergence herbicides may be necessary to control weeds not controlled by this product.

#### WEEDS CONTROLLED AND USE RATES TABLE 2: TANK MIX WITH ATRA-ZINE

This product plus atrazine tankmix will control the additional weeds listed below and under unfavorable conditions, improve the control of broadleaf weeds listed in Table 1. Please refer to atrazine label for rates and weeds controlled.

Additional Weeds Controlled with Atrazine Tankmix Combination	Scientific Name	C = Control PC ≃ Partial Control
Cocklebur, common	Xanthium pensylvanicum	PC
Jimsonweed	Datura stramonium	C
Kochia	Kochia scoparia	С
Mustard	Brassica spp.	С
Ragweed	Ambrosia spp.	С
Smartweed	Polygonum spp.	C
Thistle, Russian	Salsola kall	С
Velvetleaf	Abution theophrasti	С
Witchgrass	Panicum capillare	С

#### APPENDIX I

Procedure for Testing the Compatibility of this product with Fluid Fertilizers and Tankmix Combinations

The following procedure is suggested for determining whether or not this product may be combined with a specific fluid fertilizer or tankmix herbicide for spray tank application.

#### MATERIALS REQUIRED

- 1. This product
- 2. Fluid fertilizer and tankmix herbicides
- Adjuvant for spray tank mix combinations: Use any adjuvant cleared for use on growing crops under 40 CFR 180,1001 to improve the compatibility of this product. The adjuvant which provides the best emulsification depends on the specific herbicide under consideration.
- 4. Two one-quart, wide mouth glass jars with lid or stopper.
- Measuring spoons, a 25 mL pipette or graduated cylinder provides more accurate measurement.
- 6. Measuring cup, 8 ounces (237 mL)

#### PROCEDURE

Pour a pint or about 473 mL of the fluid fertilizer or water into each of the quart jars.

Add adjuvant to one of the jars and mix. Two mL or two-fifths of a teaspoon of adjuvant added to 1 pint of fluid fertilizer or water will equal 3 pints of adjuvant per 100 pallons of fluid fertilizer or water.

If a tankmix is being tested, premix the wettable powders in one-eighth cup of water prior to addition to the pint of fluid fertilizer or water.

Add this product to both jars. See Table 3 for rate to use.

Close both jars with fld or stopper and mix the contents by turning the jars upside down ten times.

Inspect the surface and body of the mixture:

- Immediately after completing the jar inversions.
- · After allowing the jars to stand quietly for 30 minutes
- And then again after turning the jars upside down 10 times after the 30 minute wait.

#### **EVALUATION**

If a uniform mixture cannot be made, the mixture should not be used. If either mixture remains uniform for 30 minutes, the combination may be

Should either mixture separate after 30 minutes, but readily remixes uniformly with ten jar inversions, the mixture can be used if adequate agitation is maintained in the tank.

If the mixture with adjuvant is satisfactory, but the one without adjuvant is not, be sure to use the adjuvant in the spray tank.

If adjuvant is needed, add it first at a rate of 3 pints per 100 gallons of fluid fertilizer or water. Foaming can be minimized by using moderate agi-

If nondispersible oil, sludge, or clumps of solids form in the mixture, the combination should not be used.

# TABLE 3: RATE TABLE FOR THIS PRODUCT IN COMPATIBILITY TESTS

Gallons of	Adju	unt of vant to to the			aspoo his Pro					
Fluid Fertilizer to		int of quid	4 pt	4 pts./A 5 pt		pts/A 6 pt		s/A	7 pt	s/A
Per Acre	ml	Tsp	ml	Tsp	ml	Tsp	ml	Tsp	ml	Tsp
10 gals.	2	0.4	22.0	4.4	28.0	5.6	35.0	7	42.0	8.4
15 gals.	2	0.4	16.0	3.2	20.0	4	25.0	5	30.0	6
20 gals.	2	0.4	13.0	2.6	16.0	3.2	20.0	4	24.0	4.8
25 gals.	2	0.4	9.0	1.8	12.0	2.4	15.0	3	18.0	3.6
30 gals.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4
40 gals.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4

# IMPREGNATION ON DRY BULK FERTILIZERS

Consult your local dealer for more details.

This product alone and tankmix combinations with atrazine may be impregnated on dry bulk fertilizer. Impregnation of dry bulk fertilizer with atrazine must be limited to 500 tons per day for no more than 30 days per calendar year per facility.

Caution: This product alone and in combination tankmixes must not be impregnated on ammonium nitrate, potassium nitrate, or sodium nitrate fertilizers. Such mixtures may cause explosion and fire.

All individual state regulations relating to dry bulk fertilizer blending, registration, labeling, and application are the responsibility of the individual and/ or company selling the herbicide and fertilizer mixtures.

TABLE 4: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT ALONE

Fertilizer Ingredient	N	P	K
Ammonium sulfate	21	0	0
Diammonium phosphate	18	46	0
Potassium chloride	0	0	60
Potassium sulfate	0	0	52
Single Super-phosphate	0	20	0
Treble Super-phosphate	0	46	0
Urea*	45	0	0
Ammonium phosphate-sulfate	16	20	0
K-Mag/Sul-Po-Mag	0	0	21
Monoammonium phosphate	11	48	0

# TABLE 5: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT IN TANKMIX COMBINATIONS WITH ATRAZINE

Fertilizer Ingredient	N	р	к
Ammonium sulfate	21	0	0
Diammonium phosphate	18	46	0
Potassium chloride	0	0	.60
Potassium sulfate	0	0	52
Single Super-phosphate	0	20	0
Treble Super-phosphate	0	46	0
Urea"	45	0	0
Ammonium phosphate-sulfate	16	20	0
K-Mag/Sul-Po-Mag	0	0	21
Monoammonium phosphate	11	48	0

\*Some ureas may be phytotoxic when high rates are applied to Com. Use only urea rates known to be safe for Com application.

Do not combine this product plus atrazine 4L or SOW with 0-20-0 or 0-48-0. Uniform impregnation of the herbicides on dry bulk fertilizer particles and uniform application in the field are necessary to assure good results.

A minimum of 200 and a maximum of 1200 pounds of approved impregnated ingredients from Tables 4 and 5 must be applied per acre.

Use a closed rotary drum mixer or similar type of closed blender equipped with suitable spray equipment.

The spray nozzle should be positioned inside of the mixer to provide uniform spray coverage of the tumbling fertilizer and provide a uniform fine spray pattern.

Tankmix combinations may be added separately or mixed in the proposed use ratio in a uniform sturry for joint spray impregnation.

Physical properties of fertilizers vary in liquid absorptive capacity. When absorptivity is sufficient, simple spray impregnation of the fertilizer with the herbicides provides a satisfactory, dry mixture.

When the absorptive capacity is not adequate, use of a drying agent is required to provide dry, free-flowing mixtures.

#### **ORYING AGENT FOR SPINNING-DISC APPLICATORS**

Micro-CeP E calcium silicate powder

## DRYING AGENTS FOR PNEUMATIC APPLICATORS

Micro-Cel E calcium silicate powder

Agsorb® 16/30 RVM-MS granular clay

Celatom® MP-79

Drying agents should be added separately and uniformly to the previously impregnated herbicide-fertilizer mixture to insure that the mixture is free-flowing. Generally the following amounts are sufficient:

Micro-Cel E calcium silicate powder less than 2% by weight Agsorb 16/30 RVM-MS granular clay less than 5% by weight Celatom MP-79 less than 5% by weight

The amount of this product and atrazine actually required in the manufacture of individual fertilizer mixtures should be determined carefully for each production operation (see Table 6). This is necessary to ensure that the amount of herbicide actually contained in the mixture applied to the soil represents the correct use rate.

#### PHYSICAL DATA

Specific Gravity

0.99 at 68°F (20°C)

Pounds/Gallon:

8.27 at 68°F (20°C)

Flashpoint: >200°F

Viscosity: Sprayable down to minus 20°F (-29°C)

TABLE 6: RATE CHART FOR IMPREGNATION OF DRY BULK FERTILIZER WITH THIS PRODUCT AND ATRAZINE PER TON OF FERTILIZER

Fertilizer	Th	s Produc	ct	Atrazi	ne 4L	Atrazine 80W		
Rate Per Acre	@ 4 pts/A	@ 5 pts/A	@ 6 pts/A	@ 2 pts/A	@ 3 pts./A	@ 1.25 lbs/A	@ 2 lbs/A	
200 lbs.	20 gts.	25 qts.	30 qts.	10 qts.	15 qts.	12.5 lbs.	20 lbs	
300 lbs.	13.33 qts.	16.66 qts.	20 qts.	6.66 qts.	10 qts.	8.33 lbs.	13.33 lbs.	
400 lbs.	10 qts.	12.5 qts.	15 qts.	5 qts.	7.5 qts.	6.25 lbs.	10 lbs	
500 lbs.	8 qts.	10 qts.	12 qts.	4 qts.	6 qts	5 lbs.	8 lbs.	
600 lbs	6.66 qts.	8.25 qts.	10 qts.	3.33 qts.	5 qts.	4.2 lbs.	6.66 lbs.	
700 lbs.	5.75 qts.	7.25 qts.	8.5 qts.	2.82 qts.	4.25 qts.	3,66 lbs.	5.6 lbs	

# STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. **PESTICIDE STORAGE:** Keep container tightly closed when not in use. Do not store near seed, fertilizer, or foodstuffs. Can be stored at temperatures as low as minus 25°F.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instruction, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER OISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and Local authorities.

FOR BULK AND MINI-BULK CONTAINERS CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

FOR MINI-BULK CONTAINERS: REFILL ONLY WITH THIS PRODUCT. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than this product will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

Circulation before dispensing is required.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

#### WARRANTY-CONDITIONS OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

DoublePtay is a trademark of Syngenta Group Company.
Againth is a trademark of Oil-Oir Corporation of America
Balance and Buctril are trademarks of Bayer CropScience
Banvel, Basagran, Clarity, Laddok and Marksman are trademarks of BASF
Celetom is a trademark of Eagle-Picher Minerals, Inc.
Micro-Cell is a trademark of Celific Corporation, C/o World Minerals Inc.

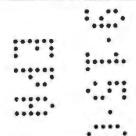


# RESTRICTED USE PESTICIDE

(Due To Oncogenicity)

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.





# Acetochlor plus EPTC Herbicide

Herbicide

Preplant incorporated herbicide for weed control (including Foxtails, Crabgrass, Barnyardgrass, and suppression of Woolly cupgrass, Wild proso millet and Field sandbur) in Field corn, production Seed corn, Silage corn, and Popcorn.

# ACTIVE INGREDIENT:

EPTC: S-ethyl dipropylthiocarbamate	67.8%
Acetochlor: 2-Chloro-2-methyl-	
6-ethyl-N-ethoxymethylacetanilide	16.9%
OTHER INGREDIENTS:	15.3%
TOTAL:	100.0%

Contains 7.0 pounds of active ingredients per gallon. (5.6 lbs. a.i./gal. EPTC and 1.4 lbs. a.i./gal. acetochlor).

# WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detaile (if you do not understand the label, find someone to explain it lo you in detail )

#### See FIRST AID Below

EPA Reg. No. 19713-EPA Est. No.

Net Contents:

#### FIRST AID

#### IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

# IF ON SKIN OR CLOTHING:

- Take off contaminated clothing
- Rinse skin immediately with plenty of water for 15 to 20 minutes.

#### IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomitting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

#### IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

Manufactured For:

# Drexel Chemical Company P.O. BOX 13327, MEMPHIS, TN 38113-0327 SINCE 1972

# PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: Causes substantial but reversible eye injury and skin irritation. Harmful if swallowed or absorbed through skin. Do not get in eyes or on skin or clothing. Wear goggles or face shield. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

# PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, shoes plus socks and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 1 70.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

# **USE SAFETY RECOMMENDATIONS**

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. 2) Remove clothing! PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply directly to water, or to areas where water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Acetochlor demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soil are permeable, particularly where the groundwater is shallow, may result in groundwater contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Acetochlor plus EPTCHerbicide 0904++ Pending ACETOCHLOR PLUS EPTC HERBICIDE Page 1 of 5

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forest, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, chemical-resistant gloves made of any waterproof material, shoes plus socks and protective eyewear.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Acetochlor plus EPTC Herbicide is a selective soil applied herbicide which must be mixed or incorporated into the soil for control of weeds listed on this label. This herbicide controls weeds by interfering with normal germination and seedling development. It will not control established or germinated weeds present at application.

#### **USE RESTRICTIONS**

Do not apply to the following soils if groundwater depth is 30 feet or less, sand with less than 3% organic matter; loamy sand with less than 2% organic matter; or sandy loam with less than 1% organic mater.

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding well head setbacks and operation containment.

Do not apply this product through any type of irrigation system. Do not use flood Irrigation to apply or incorporate this product.

Product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures, or rinsales.

Do not apply under conditions which favor runoff or wind erosion of soil containing this product to nontarget areas. To prevent off-site movement due to runoff or wind erosion:

- Avoid treating powdery dry or light sandy solls when conditions are favorable for wind erosion. Under these conditions, the soil surface must first be settled by rainfall or imigation.
- Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.
- Do not use tailwater from the first flood or furrow irrigation of treated flelds to treat nontarget crops unless at least one-half inch of rainfall has occurred between application and the first irrigation.

Do not apply this product using aerial application equipment.

Do not apply when wind conditions favor drift to nontarget sites. To minimize spray drift to non-target areas:

 Use low pressure application equipment capable of producing a large droplet spray.

- · Do not use nozzles that produce a fine droplet spray.
- Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
- Keep ground-driven spray boom as low as possible above the target surface.
- Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid application when gusts approach 15 mph.

Low humidity and high temperatures Increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/or high temperatures. Do not apply during inversion conditions.

#### **GENERAL USE PRECAUTIONS**

Read all label directions before using.

Do not use this product on any crop other than Corn.

If crop treated with this product is lost, Corn may be replanted immediately. Do not make a second application of this product or equivalent product such as DoublePlay\*.

This product can be stored at temperatures as low as minus 25°F.

This product should be used for recommended purposes and at recommended rates. Do not overdose.

This product is recommended for use only on mineral soils (those soils containing less than 10% organic matter).

Do not use this product on Corn seed stock such as Breeders, Foundation, or Increase.

This product may be used on production Seed corn.

Do not use this product on Sorghum or Milo.

Do not allow this product to contaminate water to be used on susceptible crops and ornamentals, or for domestic purposes.

Do not allow this product to contaminate feed or food.

This product should not be stored near seeds or fertilizers

All containers of this product should be kept tightly closed when not in use

This product will not harm the treated crop nor leave harmful soil residues past harvest when applied properly and environmental conditions exist for normal plant growth during the season.

Adverse conditions such as unusually cold and wet or hot and dry weather during germination and early growth; insect, nematode, or plant disease attack; carryover soit residues of persistent herbicides; or use of certain soil applied systemic insecticides can create abnormal conditions that weaken crop seedlings. This product used under these conditions could result in crop injury.

Continuous use of this product in the same fields consecutively year after year can, in some areas, lead to a decrease in the level of performance. As a precaution, fields treated with this product should be rotated with another crop or herbicide classification on an annual program.

ROTATIONAL CROPS: Corn, Soybeans, Sorghum, or Tobacco may be planted the spring following application. Wheat may be planted 4 months after application.

Do not rotate to crops other than Corn, Soybeans, Sorghum, Tobacco, or Wheat.

# APPLICATION DIRECTIONS

#### CARRIERS

Liquids - Either water or fluid fertilizers such as solutions, slurries, or suspensions may be used as liquid carriers. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if this product is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

**Dry Bulk Fertilizer** - This product may be impregnated on dry bulk fertilizer and applied as the fertilizer is spread.

Bulk fertilizer impregnated with this product should be applied immediately, not stored.

It is recommended that all bulk containers be tightly covered while the product is being transported and applied to reduce probability of EPTC loss via volatilization.

When application and incorporation are done in separate operations, impregnated fertilizer must be incorporated on the same day as applied.

When separate operations delay incorporation, applications must be made on a soil surface dry to one-half inch deep and free from dew and incidental moisture.

See APPENDIX II and consult your local dealer for details including what fertilizers are compatible.

#### ADDING TO SPRAY TANK

If this product is used alone:

Add the recommended amount to a clean (thoroughly rinsed and decontaminated) spray tank before it is half filled so that addition of the remaining water or fluid fertilizer carrier can aid in the thorough agitation and mixing of the spray solution.

If a tank mixture is used:

See directions under the TANKMIX COMBINATIONS section of this label.

#### VOLUME

Apply In 10 to 60 gallons of water or fluid fertilizer per acre using a property calibrated sprayer having good agitation.

#### PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern

#### SOIL MOISTURE AND TILTH

Improper incorporation or poor tilth such as large clods may result in erratic or unsatisfactory weed control.

The soil should be dry enough to permit good soil mixing or incorporation. Any application of this product that is not immediately incorporated in the same operation must be made to a soil surface dry to at least one-half inch deep and free from dew and incidental moisture.

#### INCORPORATION TIMING

Application and incorporation should be done in the same operation when possible.

Applications in water or fluid fertilizer must not have more than a 4 hour delay between application and incorporation.

When application and incorporation are separate operations in the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product must be incorporated the same day as applied. See moisture statement above.

This product impregnated on dry bulk fertilizer must be incorporated on the same day as application. See moisture statement above.

#### INCORPORATION EQUIPMENT AND METHODS

This product must be incorporated into the soil to prevent loss of the herbicide.

Field cultivator Use on all soils in good tilth. Equip with 3 to 4 rows of sweeps spaced at 7 inches or less and staggered from row to row to leave no soil unturned or undisturbed. Set the field cultivator to cut 4 inches deep. Operate at 6 mph or more. Follow by a harrow or leveling device. Chisel plows or point should not be used. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, use two passes to improve control.

Tandem disc: Can be used on all soil types. Set disc to cut 4 inches deep. Operated disc at 4 to 6 mph. Follow disc by a harrow or leveling device slightly wider than that of the disc. Two passes in different directions will improve incorporation. On the second pass the disc should be operated 1 inch shallower than on the first pass. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, a second incorporation will improve control or suppression.

Sprinkler Imgation: Do not apply this product by sprinkler imgation. Use a sprinkler system only to incorporate this product after applying by ground equipment as follows:

In the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product may be surface applied immediately after planting.

See soil moisture statement above.

This product can then be incorporated using one-half to three-fourths inch of water within 36 hours following application.

Application and incorporation must be done within 5 days after the last tillage operation since poor results will occur if weeds have germinated.

#### PLANTING

Planting should occur as soon as possible after application and always within 2 weeks after treatment. Plant seed to maximum depth of 2 inches. Avoid moving or shaping soil after incorporation since this can remove this product from the row and result in a loss of weed control.

#### CULTIVATION

Should weeds develop, a shallow cultivation or rotary hoeing will generally result in batter weed control.

A shallow cultivation is less than one-half the depth of incorporation.

## WEEDS CONTROLLED AND USE RATES

Consult Table 1 below. Note "Comments and Restrictions" column in Table 1.

#### Table 1: This Product Broadcast Rate Per Acre

The annual broadleaf weeds listed below will be controlled only if treatment is made when conditions are favorable for weed seed germination and growth. Under prolonged conditions of very cold soil, control of the listed broadleaf weeds may not be adequate.

Annual Grass and Broadleaf Weeds	Scientific Name	U.S. (Except CA, AZ, FL)	C= Control PC= Partial Control	Comments and Restricitons
Barnyardgrass (Watergrass	Echinochloa spp.	4.5 - 7 pts.	С	General
Foxtail, glant	Setaria faberi	4.5 - 7 pts.	С	Use the lower rate for light infestations and
Foxtail, green	Setaria viridis	4.5 - 7 pts.	С	coarse textured soils.  Do not exceed 8 pints
Foxtail, yellow	Setaria lutescens	4.5 - 7 pts.	С	per acre per year.
Crabgrass	Digitaria spp.	4.5 - 7 pts.	С	When this product is used in the
Panicum, fall	Panicum dichotomiflorum	4.5 - 7 pts.	С	Southeastem U.S. on silage Com, do not seed small grains
Lambsquarters, common	Chenopodium album	5 - 7 pts.	С	until September.
Nightshade, black	Solanum nigrum	5 - 7 pts.	С	When furrow imgation is used on flat planted
Nightshade, hairy	Solanum sarachoides	-5 - 7 pts.	С	Com on the Western slope of Colorado, do
Pigweed, redroot (Common)	Amaranthus retroflexus	5 - 7 pts.	С	not form furrows until Com is in the three- leaf stage.
Tall waterhemp	Amaranthus spp.	5 - 7 pls.	С	Soils lacking enough moisture for seed
Field sandbur	Cenchrus pauciflorus	6 - 8 pts.	PC	germination must be pre-irrigated prior to
Wild proso millet <sup>1</sup>	Panicum milia ceum	6 - 8 pts.	PC	this product's application
Woolly cupgrass <sup>1</sup>	Eriochioa viridis	6 - 8 pts.	PC	
Volunteer barley	Hordeum vulgare	5 - 7 pts.	PC	
Volunteer oats	Avena sativa	5 - 7 pts.	PC	
Volunteer wheat	Triticum aestivum	5 - 7 pts.	PC	
Wild oats	Avena fatua	5 - 7 pts.	С	

For band applications, calculate the amount to be applied per acre as follows:

band width in inches
row width in inches
x broadcast rate per acre = amount needed per acre of field

#### **TANK MIX COMBINATIONS**

### BALANCE® HERBICIDE

See Balance label for Balance use rates. Not labeled in all states. Please refer to the Balance label for precautionary statements, directions for use, and geographic and other restrictions. Refer to the use rate section of this product for minimum use rates.

#### ATRAZINE HERBICIDE COMBINATIONS

For control of additional weeds and increased control of labeled broadleaf weeds, atrazine may be tank mixed and applied preplant incorporated with recommended use rates of this product.

Do not apply atrazine through any irrigation system.

Atrazine combinations may be impregnated on dry bulk fertilizer. See AP-PENDIX II and consult your local dealer for details including what fertilizers are compatible.

As an alternative, atrazine at recommended rates may be applied preemergence to the soil surface following a preplant incorporated treatment of this product at recommended rates.

If a preemergence application of atrazine is used, consult the directions on the atrazine label. A preemergence application of atrazine may require a rotary hoeing or shallow cultivation if rainfall or sprinkler irrigation has occurred within 10 days of the surface application.

#### **GENERAL USE PRECAUTIONS FOR ATRAZINE**

Follow all the use precautions and warnings that appear on the atrazine label and supplemental literature.

Make only one application per crop.

After a treatment of atrazine do not plant any crop except Corn until the following year or injury may occur,

#### CARRIERS

Liquids — The tankmix combinations may be applied using the same liquid carriers as this product used alone. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if the tankmix is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

Dry bulk fertilizer — Tankmixes with atrazine combinations may be impregnated on dry bulk fertilizer. Follow all directions and precautions listed on this label under this product applied alone on impregnated dry bulk fertilizer.

#### ADDING TO SPRAY TANK

It is recommended that the compatibility of any tankmix combination be tested on a small scale, such as a jar test, before actual tank mixing. See Appendix I for details on the procedure for such a test.

Fill a thoroughly rinsed and decontaminated spray tank two-thirds full of clean water.

Start and continue moderate agitation throughout mixing. Excessive agitation may cause the atrazine to settle out and set up in the spray tank.

All return lines to the spray tank must discharge below liquid level.

For some combinations, premixing wettable powders in a little water in a pail or bucket before adding them to the spray tank will improve the compatibility of the final mixture.

Premix the atrazine making sure it is thoroughly wetted and dispersed in the tank before adding this product.

Add this product to the tank that is two-thirds full of water already mixed with the approved tankmix product and continue filling tank.

The tankmix combination should not be left in the spray tank for prolonged periods. Batches should be mixed and applied the same day,

#### VOLUME

Apply all tankmixes in 20 to 60 gallons of liquid per acre

#### PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern.

#### SOIL MOISTURE AND TILTH

Same as for this product alone

#### INCORPORATION TIMING

Same as for this product alone

#### INCORPORATION EQUIPMENT AND METHODS

Same as for this product alone.

Do not apply this product or atrazine through a center pivot sprinkler irrigation system.

#### PLANTING

Same as for this product alone.

#### CULTIVATION

Same as for this product alone.

Banver, 2,4-D, and Other Herbicides:

A sequential application of 2,4-D, Banvel<sup>e</sup>, Clarity<sup>e</sup>, Marksman<sup>e</sup>, Buctril<sup>e</sup>, Buctril<sup>e</sup>, Bustrill<sup>e</sup>Atrazine, Basagran<sup>e</sup>, Laddok<sup>e</sup>, or other preemergence or posterregence herbicides may be necessary to control weeds not controlled by this product.

#### WEEDS CONTROLLED AND USE RATES TABLE 2: TANK MIX WITH ATRA-ZINE

This product plus atrazine tankmix will control the additional weeds listed below and under unfavorable conditions, improve the control of broadleaf weeds listed in Table 1. Please refer to atrazine label for rates and weeds controlled.

Additional Weeds Controlled with Atrazine Tankmix Combination	Scientific Name	C = Control PC = Partial Control
Cocklebur, common	Xanthium pensylvanicum	PC
Jimsonweed	Datura stramonium	C
Kochia	Kochia scoparia	С
Mustard	Brassica spp.	С
Ragweed	Ambrosia spp.	С
Smartweed	Polygonum spp.	С
Thiste, Russian	Salsola kali	С
Velvetleaf	Abutilon theophrasti	С
Witchgrass	Panicum capillare	С

#### APPENDIX I

Procedure for Testing the Compatibility of this product with Fluid Fertilizers and Tankmix Combinations

The following procedure is suggested for determining whether or not this product may be combined with a specific fluid fertilizer or tankmix herbicide for spray tank application.

#### MATERIALS REQUIRED

- 1. This product
- 2. Fluid fertilizer and tankmix herbicides
- Adjuvant for spray tank mix combinations: Use any adjuvant cleared for use on growing crops under 40 CFR 180.1001 to Improve the compatibility of this product. The adjuvant which provides the best emulsification depends on the specific herbicide under consideration.
- 4. Two one-quart, wide mouth glass jars with lid or stopper,
- Measuring spoons, a 25 mL pipette or graduated cylinder provides more accurate measurement.
- 6. Measuring cup, 8 ounces (237 mL).

#### PROCEDURE

Pour a pint or about 473 mL of the fluid fertilizer or water into each of the quart jars.

Add adjuvant to one of the jars and mix. Two mL or two-fifths of a teaspoon of adjuvant added to 1 pint of fluid fertilizer or water will equal 3 pints of adjuvant per 100 gallons of fluid fertilizer or water.

If a tankmix is being tested, premix the wettable powders in one-eighth cup of water prior to addition to the pint of fluid fertilizer or water.

Add this product to both jars. See Table 3 for rate to use.

Close both jars with lid or stopper and mix the contents by turning the jars upside down ten times.

inspect the surface and body of the mixture:

- · Immediately after completing the jar inversions
- · After allowing the Jars to stand quietly for 30 minutes.
- And then again after turning the jars upside down 10 times after the 30 minute wait

#### **EVALUATION**

If a uniform mixture cannot be made, the mixture should not be used. If either mixture remains uniform for 30 minutes, the combination may be

Should either mixture separate after 30 minutes, but readily remixes uniformly with ten jar inversions, the mixture can be used if adequate agitation is maintained in the tank.

If the mixture with adjuvant is satisfactory, but the one without adjuvant is not, be sure to use the adjuvant in the spray tank.

If adjuvant is needed, add it first at a rate of 3 pints per 100 gallons of fluid fertilizer or water. Foaming can be minimized by using moderate agi-

If nondispersible oil, sludge, or clumps of solids form in the mixture, the combination should not be used.

TABLE 3: RATE TABLE FOR THIS PRODUCT IN COMPATIBILITY TESTS

Gallons of Fluid Fertilizer to be Applied Per Acre	Adjus	unt of vant to to the	mL or Teaspoon to be Added to 1 Pint of Liquid This Product's Rate Listed Below								
	1 Pint of Liquid		4 pts/A		5 pts/A		6 pts/A		7 pts./A		
	ml	Тэр	ml	Тэр	ml	Тэр	ml	Тар	ml	Твр	
10 gals.	2	0.4	22.0	4.4	28.0	5.6	35.0	7	42.0	8.4	
15 gals.	2	0.4	16.0	3.2	20.0	4	25.0	5	30.0	6	
20 gals.	2	0.4	13.0	2.6	16.0	3.2	20.0	4	24.0	4.8	
25 gals.	2	0.4	9.0	1.8	12.0	2.4	15.0	3	18.0	3.6	
30 gals.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4	
40 gals.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4	

#### IMPREGNATION ON DRY BULK FERTILIZERS

Consult your local dealer for more details.

This product alone and tankmix combinations with atrazine may be impregnated on dry bulk fertilizer. Impregnation of dry bulk fertilizer with atrazine must be limited to 500 tons per day for no more then 30 days per calendar year per facility.

Caution: This product alone and in combination tankmixes must not be impregnated on ammonium nitrate, potassium nitrate, or sodium nitrate fertilizers. Such mixtures may cause explosion and fire.

All individual state regulations relating to dry bulk fertilizer blending, registration, labeling, and application are the responsibility of the individual and/ or company selling the herbicide and fertilizer mixtures.

TABLE 4: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT ALONE

Fertilizer Ingredient	N	P	K
Ammonium suffate	21	0	0
Diammonium phosphate	18	46	0
Potassium chloride	0	. 0	60
Potassium sulfate	0	0	52
Single Super-phosphate	0	20	0
Trable Super-phosphate	0	46	0
Urea*	45	0	0
Ammonium phosphate-sulfate	16	20	0
K-Mag/Sul-Po-Mag	0	0	21
Monoammonium phosphate	11	48	0

TABLE 5: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT IN TANKMIX COMBINATIONS WITH ATRAZINE

Fertilizer Ingredient	N	р	K
Ammonium sulfate	21	0	0
Diammonium phosphate	18	46	0
Potassium chloride	0	0	60
Potassium sulfate	0	0	52
Single Super-phosphate	0	20	0
Treble Super-phosphate	0	46	0
Urea*	45	0	0
Ammonium phosphate-sulfate	16	20	0
K-Mag/Sul-Po-Mag	0	0	21
Monoammonium phosphate	11	48	0

\*Some ureas may be phytotoxic when high rates are applied to Com. Use only urea rates known to be safe for Com application.

Do not combine this product plus atrazine 4L or SOW with 0-20-0 or 0-46-0. Uniform impregnation of the herbicides on dry bulk fertilizer particles and uniform application in the field are necessary to assure good results.

A minimum of 200 and a maximum of 1200 pounds of approved impregnated ingredients from Tables 4 and 5 must be applied per acre.

Use a closed rotary drum mixer or similar type of closed blender equipped with suitable spray equipment.

The spray nozzle should be positioned inside of the mixer to provide uniform spray coverage of the tumbling fertilizer and provide a uniform fine spray pattern.

Tankmix combinations may be added separately or mixed in the proposed use ratio in a uniform slurry for joint soray impregnation

Physical properties of fertilizers vary in liquid absorptive capacity. When absorptivity is sufficient, simple spray impregnation of the fertilizer with the herbicides provides a satisfactory, dry mixture.

When the absorptive capacity is not adequate, use of a drying agent is required to provide dry, free-flowing mixtures.

# DRYING AGENT FOR SPINNING-DISC APPLICATORS

Micro-Cel® E calcium silicate powder

#### DRYING AGENTS FOR PNEUMATIC APPLICATORS

Micro-Cel E calcium silicate powder

Agsorb® 16/30 RVM-MS granular clay

Celatom® MP-79

Drying agents should be added separately and uniformly to the previously impregnated herbicide-fertilizer mixture to insure that the mixture is free-flowing. Generally the following amounts are sufficient:

Micro-Cel E calcium silicate powder less than 2% by weight less than 5% by weight Celatom MP-79 less than 5% by weight less than 5% by weight

The amount of this product and atrazine actually required in the manufacture of individual fertilizer mixtures should be determined carefully for each production operation (see Table 6). This is necessary to ensure that the amount of herbicide actually contained in the mixture applied to the soil represents the correct use rate.

### PHYSICAL DATA

Specific Gravity: 0.99 at 68°F (20°C)
Pounds/Gallon: 8.27 at 68°F (20°C)

Flashpoint: >200°F

Viscosity: Sprayable down to minus 20°F (-29°C)

TABLE 6: RATE CHART FOR IMPREGNATION OF DRY BULK FERTILIZER WITH THIS PRODUCT AND ATRAZINE PER TON OF FERTILIZER

Fertilizer	Thi	is Produ	ct	Atrazi	ne 4L	Atrazine 80W		
Rate Per Acre	@ 4 pts/A	@ 5 pts./A	@ 6 pts/A	@ 2 pts JA	@ 3 pts/A	@ 1.25 lbs/A	@ 2 lbs/A	
200 lbs.	20 qts.	25 qts.	30 qts.	10 qts.	15 qts.	12.5 lbs.	20 lbs	
300 lbs.	13.33 qts.	16.66 qts.	20 qts.	6.66 qts.	10 qts.	8.33 lbs.	13.33 lbs.	
400 lbs.	10 qts.	12.5 qts.	15 qts.	5 qts.	7.5 qts.	6.25 lbs.	10 lbs	
500 lbs.	8 qts.	10 qts.	12 qts.	4 qls.	6 qts.	5 lbs.	8 lbs	
600 lbs.	6,66 qts.	8.25 qts.	10 qts.	3.33 qts.	5 qts.	4.2 lbs.	6.66 lbs	
700 lbs.	5.75 qts.	7.25 qts.	8.5 qts.	2.82 qts.	4.25 qts.	3,66 /bs.	5,6 lbs	

# STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. **PESTICIDE STORAGE:** Keep container tightly closed when not in use. Do not store near seed, fertilizer, or foodstuffs. Can be stored at temperatures as low as minus 25°F.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instruction, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and Local authorities.

FOR BULK AND MINI-BULK CONTAINERS CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

FOR MINI-BULK CONTAINERS: REFILL ONLY WITH THIS PRODUCT. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than this product will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

Circulation before dispensing is required.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

### WARRANTY-CONDITIONS OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

DoublePtay is a trademark of Syngenta Group Company.
Ageoro is a trademark of Oil-Ori Corporation of America
Balance and Buctril are trademarks of Bayer CropScience
Barryel, Basegrein, Clarity, Laddok and Marksman are trademarks of BASF
Celetom is a trademark of Eagle-Picher Minerals, Inc.
Micro-Cel is a trademark of Celife Corporation, Cro World Minerals Inc.



# RESTRICTED USE PESTICIDE

(Due To Oncogenicity)

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.



# Acetochlor plus EPTC Herbicide Herbicide

Preplant incorporated herbicide for weed control (including Foxtails, Crabgrass, Barnyardgrass, and suppression of Woolly cupgrass, Wild proso millet and Field sandbur) in Field corn, production Seed corn, Silage corn, and Popcorn.

### ACTIVE INGREDIENT:

EPTC: S-ethyl dipropylthiocarbamate	67.8%
Acetochlor: 2-Chloro-2-methyl-	
6-ethyl-N-ethoxymethylacetanilide	16.9%
OTHER INGREDIENTS:	15.3%
TOTAL:	100.0%

Contains 7.0 pounds of active ingredients per gallon. (5.6 lbs. a.l./gal. EPTC and 1.4 lbs. a.i./gal. acetochlor).

# WARNING / AVISO

Si usted no emtiende la etiqueta, busque a atquien para que se la explique a ustad en detalle (If you do not understand the label, find someone to explain it to you in detail.)

# See FIRST AID Below

EPA Reg. No. 19713-EPA Est. No.

**Net Contents:** 

### FIRST AID

#### IF IN EYES

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

## IF ON SKIN OR CLOTHING:

- Take off contaminated clothing
- . Rinse skin immediately with plenty of water for 15 to 20 minutes.

# IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- · Have person sip a glass of water if able to swallow
- Do not induce varniting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

#### IF INHALED:

- · Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.



### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: Causes substantial but reversible eye injury and skin irritation. Harmful if swallowed or absorbed through skin. Do not get in eyes or on skin or clothing. Wear goggles or face shield. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

# PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, shoes plus socks and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water, Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 1 70.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS

### **USE SAFETY RECOMMENDATIONS**

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. 2) Remove clothing! PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply directly to water, or to areas where water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Acetochlor demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soil are permeable, particularly where the groundwater is shallow, may result in groundwater contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

# DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Acetochlor plus EPTCHerbicide 0904++ Pending ACETOCHLOR PLUS EPTC HERBICIDE Page 1 of 5

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forest, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, chemical-resistant gloves made of any waterproof material, shoes plus socks and protective eyewear.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Acetochlor plus EPTC Herbicide is a selective soil applied herbicide which must be mixed or incorporated into the soil for control of weeds listed on this label. This herbicide controls weeds by interfering with normal germination and seedling development. It will not control established or germinated weeds present at application.

#### **USE RESTRICTIONS**

Do not apply to the following soils if groundwater depth is 30 feet or less: sand with less than 3% organic matter; loamy sand with less than 2% organic matter; or sandy loam with less than 1% organic mater.

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded takes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding well head setbacks and operation containment.

Do not apply this product through any type of irrigation system. Do not use flood irrigation to apply or incorporate this product,

Product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures, or describes

Do not apply under conditions which favor runoff or wind erosion of soil containing this product to nontarget areas. To prevent off-site movement due to runoff or wind erosion:

- Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface must first be settled by rainfall or irrigation.
- Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.
- Do not use tailwater from the first flood or furrow imigation of treated fields to treat nontarget crops unless at least one-half inch of rainfall has occurred between application and the first imigation.

Do not apply this product using aerial application equipment.

Do not apply when wind conditions favor drift to nontarget sites. To minimize spray drift to non-target areas:

 Use low pressure application equipment capable of producing a large droplet spray.

- · Do not use nozzies that produce a fine droplet soray.
- Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
- Keep ground-driven spray boom as low as possible above the target surface.
- Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid application when gusts approach 15 mph.

Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/or high temperatures. Do not apply during inversion conditions.

#### **GENERAL USE PRECAUTIONS**

Read all label directions before using.

Do not use this product on any crop other than Corn.

If crop treated with this product is lost, Corn may be replanted immediately. Do not make a second application of this product or equivalent product such as DoublePlay\*.

This product can be stored at temperatures as low as minus 25°F.

This product should be used for recommended purposes and at recommended rates. Do not overdose.

This product is recommended for use only on mineral soils (those soils containing less than 10% organic matter).

Do not use this product on Corn seed stock such as Breeders, Foundation, or Increase.

This product may be used on production Seed corn.

Do not use this product on Sorghum or Milo.

Do not allow this product to contaminate water to be used on susceptible crops and ornamentals, or for domestic purposes.

Do not allow this product to contaminate feed or food.

This product should not be stored near seeds or fertilizers.

All containers of this product should be kept tightly closed when not in use.

This product will not harm the treated crop nor leave harmful soil residues past harvest when applied properly and environmental conditions exist for normal plant growth during the season.

Adverse conditions such as unusually cold and wet or hot and dry weather during germination and early growth; insect, nematode, or plant disease attack; carryover soil residues of persistent herbicides; or use of certain soil applied systemic insecticides can create abnormal conditions that weaken crop seedlings. This product used under these conditions could result in crop injury.

Continuous use of this product in the same fields consecutively year after year can, in some areas, lead to a decrease in the level of performance. As a precaution, fields treated with this product should be rotated with another crop or herbicide classification on an annual program.

ROTATIONAL CROPS: Com, Soybeans, Sorghum, or Tobacco may be planted the spring following application. Wheat may be planted 4 months after application.

Do not rotate to crops other than Com, Soybeans, Sorghum, Tobacco, or Wheat.

# APPLICATION DIRECTIONS

#### CARRIERS

Liquids - Either water or fluid fertilizers such as solutions, slurries, or suspensions may be used as liquid carriers. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if this product is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

Ory Bulk Fertilizer - This product may be impregnated on dry bulk fertilizer and applied as the fertilizer is spread.

Bulk fertilizer impregnated with this product should be applied immediately, not stored.

it is recommended that all bulk containers be tightly covered while the product is being transported and applied to reduce probability of EPTC loss via volatilization.

When application and incorporation are done in separate operations, impregnated fertilizer must be incorporated on the same day as applied.

When separate operations delay incorporation, applications must be made on a soil surface dry to one-half inch deep and free from dew and incidental moisture.

See APPENDIX II and consult your local dealer for details including what fertilizers are compatible.

#### ADDING TO SPRAY TANK

If this product is used alone:

Add the recommended amount to a clean (thoroughly rinsed and decontaminated) spray tank before it is half filled so that addition of the remaining water or fluid fertilizer carrier can aid in the thorough agitation and mixing of the spray solution.

If a tank mixture is used:

See directions under the TANKMIX COMBINATIONS section of this label.

#### VOLUME

Apply in 10 to 60 gallons of water or fluid fertilizer per acre using a properly calibrated sprayer having good agitation.

#### PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern.

#### SOIL MOISTURE AND TILTH

Improper incorporation or poor tilth such as large clods may result in erratic or unsatisfactory weed control.

The soil should be dry enough to permit good soil mixing or incorporation. Any application of this product that is not immediately incorporated in the same operation must be made to a soil surface dry to at least one-half inch deep and free from dew and incidental moisture.

#### INCORPORATION TIMING

Application and incorporation should be done in the same operation when possible.

Applications in water or fluid fertilizer must not have more than a 4 hour delay between application and incorporation.

When application and incorporation are separate operations in the semi-and areas of Eastern Washington, Eastern Oregon, and Idaho, this product must be incorporated the same day as applied. See moisture statement above.

This product impregnated on dry bulk fertilizer must be incorporated on the same day as application. See moisture statement above.

#### INCORPORATION EQUIPMENT AND METHODS

This product must be incorporated into the soil to prevent loss of the herbicide.

Field cultivator Use on all soils in good tilth. Equip with 3 to 4 rows of sweeps spaced at 7 inches or less and staggered from row to row to leave no soil unturned or undisturbed. Set the field cultivator to cut 4 inches deep. Operate at 6 mph or more. Follow by a harrow or leveling device. Chisel plows or point should not be used. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, use two passes to improve control.

Tandem disc: Can be used on all soil types. Set disc to cut 4 inches deep. Operated disc at 4 to 6 mph. Follow disc by a harrow or leveling device slightly wider than that of the disc. Two passes in different directions will improve incorporation. On the second pass the disc should be operated 1 inch shallower than on the first pass. If Field sandbur, Wild proso millet and/or Woolly cupgrass are present, a second incorporation will improve control or suppression.

Sprinkler Irrigation: Do not apply this product by sprinkler irrigation. Use a sprinkler system only to incorporate this product after applying by ground equipment as follows:

In the semi-arid areas of Eastern Washington, Eastern Oregon, and Idaho, this product may be surface applied immediately after planting.

See soil moisture statement above.

This product can then be incorporated using one-half to three-fourths inch of water within 36 hours following application.

Application and incorporation must be done within 5 days after the last tillage operation since poor results will occur if weeds have germinated.

#### PLANTING

Planting should occur as soon as possible after application and always within 2 weeks after treatment. Plant seed to maximum depth of 2 inches. Avoid moving or shaping soil after incorporation since this can remove this product from the row and result in a loss of weed control.

#### CULTIVATION

Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control.

A shallow cultivation is less than one-half the depth of incorporation.

#### WEEDS CONTROLLED AND USE RATES

Consult Table 1 below. Note "Comments and Restrictions" column in Table 1.

Table 1: This Product Broadcast Rate Per Acre

The annual broadleaf weeds listed below will be controlled only if treatment is made when conditions are favorable for weed seed germination and growth. Under prolonged conditions of very cold soil, control of the listed broadleaf weeds may not be adequate.

Annual Grass and Broadleaf Weeds	Scientific Name	U.S. (Except CA, AZ, FL)	C= Control PC= Partial Control	Comments and Restricitons
Barnyardgrass (Watergrass	Echinochloa spp.	4.5 - 7 pts.	С	General
Foxtail, giant	Setaria faberi	4.5 - 7 pts.	С	Use the lower rate for light infestations and
Foxtail, green	Setaria viridis	4.5 - 7 pts.	С	coarse textured soils.  Do not exceed 8 pints
Foxtail, yellow	Setaria lutescens	4.5 - 7 pts.	С	per acre per year.
Crabgrass	Digitaria spp.	4.5 - 7 pts.	С	When this product is used in the
Panicum, fall	Panicum dichotomiflorum	4.5 - 7 pts.	С	Southeastern U.S. on silage Com, do not
Lambsquarters, common	Chenopodium album	5 - 7 pts.	С	seed small grains until September.
Nightshade, black	Solanum nigrum	5 - 7 pts.	С	When furrow imigation is used on flat planted
Nightshade, hairy	Solanum sarachoides	-5 - 7 pts.	С	Com on the Western slope of Colorado, do
Pigweed, redroot (Common)	Amaranthus retroflexus	5 - 7 pts.	С	not form furrows until Corn is in the three- leaf stage.
Tall waterhemp	Amaranthus spp.	5 - 7 pts.	С	Soils lacking enough moisture for seed
Field sandbur¹	Cenchrus pauciflorus	6 - 8 pts.	PC	germination must be pre-irrigated prior to
Wild proso millet <sup>1</sup>	Panicum milia ceum	6 - 8 pts.	PC	this product's application
Woolly cupgrass <sup>1</sup>	Eriochloa viridis	6 - 8 pts.	PC	
Volunteer barley	Hordeum vulgare	5 - 7 pts.	PC	
Volunteer oats	Avena sativa	5 - 7 pts.	PC	
Volunteer wheat	Triticum aestivum	5 - 7 pts.	PC	] :
Wild oats	Avena fatua	5 - 7 pts.	C	

For band applications, calculate the amount to be applied per acre as follows:

row width in inches x broadcast rate per acre = amount needed per acre of field

### TANK MIX COMBINATIONS

# BALANCE® HERBICIDE

See Balance label for Balance use rates. Not labeled in all states. Please refer to the Balance label for precautionary statements, directions for use, and geographic and other restrictions. Refer to the use rate section of this product for minimum use rates.

# ATRAZINE HERBICIDE COMBINATIONS

For control of additional weeds and increased control of labeled broadleaf weeds, atrazine may be tank mixed and applied preplant incorporated with recommended use rates of this product.

Do not apply atrazine through any irrigation system.

Atrazine combinations may be impregnated on dry bulk fertilizer. See AP-PENDIX II and consult your local dealer for details including what fertilizers are compatible.

As an alternative, atrazine at recommended rates may be applied preemergence to the soil surface following a preplant incorporated treatment of this product at recommended rates.

If a preemergence application of atrazine is used, consult the directions on the atrazine label. A preemergence application of atrazine may require a rolary hoeing or shallow cultivation if rainfall or sprinkler irrigation has occurred within 10 days of the surface application.

## **GENERAL USE PRECAUTIONS FOR ATRAZINE**

Follow all the use precautions and warnings that appear on the atrazine label and supplemental literature.

Make only one application per crop.

After a treatment of atrazine do not plant any crop except Corn until the following year or injury may occur.

#### CARRIERS

Liquids — The tankmix combinations may be applied using the same liquid carriers as this product used alone. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See Appendix 1 for details of the compatibility testing procedure. Even if the tankmix is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.

Dry bulk fertilizer — Tankmixes with atrazine combinations may be impregnated on dry bulk fertilizer. Follow all directions and precautions listed on this label under this product applied alone on impregnated dry bulk fertilizer.

#### ADDING TO SPRAY TANK

It is recommended that the compatibility of any tankmix combination be tested on a small scale, such as a jar test, before actual tank mixing. See Appendix I for details on the procedure for such a test.

Fill a thoroughly rinsed and decontaminated spray tank two-thirds full of clean water.

Start and continue moderate agitation throughout mixing. Excessive agitation may cause the atrazine to settle out and set up in the spray tank.

All return lines to the spray tank must discharge below liquid level.

For some combinations, premixing wettable powders in a little water in a pail or bucket before adding them to the spray tank will improve the compatibility of the final mixture.

Premix the atrazine making sure it is thoroughly wetted and dispersed in the tank before adding this product.

Add this product to the tank that is two-thirds full of water already mixed with the approved tankmix product and continue filling tank.

The tankmix combination should not be left in the spray tank for prolonged periods. Batches should be mixed and applied the same day.

#### VOLUME

Apply all tankmixes in 20 to 60 gallons of liquid per acre.

#### PRESSURE

Use 20 to 40 psi to ensure good distribution in the spray pattern.

#### SOIL MOISTURE AND TILTH

Same as for this product alone.

#### INCORPORATION TIMING

Same as for this product alone

#### INCORPORATION EQUIPMENT AND METHODS

Same as for this product alone.

Do not apply this product or atrazine through a center pivot sprinkler irrigation system.

#### PLANTING

Same as for this product alone.

#### CULTIVATION

Same as for this product alone.

Banvel<sup>®</sup>, 2.4-D, and Other Herbicides:

A sequential application of 2,4-D, Banver, Clarity, Marksman, Buctril, Buctril, Atrazine, Basagran, Laddok, or other preemergence or postemergence herbicides may be necessary to control weeds not controlled by this product.

#### WEEDS CONTROLLED AND USE RATES TABLE 2: TANK MIX WITH ATRA-ZINE

This product plus atrazine tankmix will control the additional weeds listed below and under unfavorable conditions, improve the control of broadleaf weeds listed in Table 1. Please refer to atrazine label for rates and weeds controlled.

Additional Weeds Controlled with Atrazine Tankmix Combination	Scientific Name	C = Control PC = Partial Contro	
Cocklebur, common	Xanthium pensylvanicum	PC	
Jimsonweed	Datura stramonium	С	
Kochia	Kochia scoparia	С	
Mustard	Brassica spp.	С	
Ragweed	Ambrosia spp.	С	
Smartweed	Polygonum spp.	С	
Thistle, Russian	Salsola kali	С	
Velvetleaf	Abutilon theophrasti	С	
Witchgrass	Panicum capillare	С	

#### APPENDIX I

Procedure for Testing the Compatibility of this product with Fluid Fertilizers and Tankmix Combinations

The following procedure is suggested for determining whether or not this product may be combined with a specific fluid fertilizer or tankmix herbicide for spray tank application.

#### MATERIALS REQUIRED

- 1. This product
- 2. Fluid fertilizer and tankmix herbicides
- Adjuvant for spray tank mix combinations: Use any adjuvant cleared for use on growing crops under 40 CFR 180.1001 to improve the compatibility of this product. The adjuvant which provides the best emulsification depends on the specific herbicide under consideration.
- 4. Two one-quart, wide mouth glass jars with lid or stopper.
- Measuring spoons, a 25 mL pipette or graduated cylinder provides more accurate measurement.
- 6. Measuring cup, 8 ounces (237 mL).

#### **PROCEDURE**

Pour a pint or about 473 mL of the fluid fertilizer or water into each of the quart tars.

Add adjuvant to one of the jars and mix. Two mL or two-fifths of a teaspoon of adjuvant added to 1 pint of fluid fertilizer or water will equal 3 pints of adjuvant per 100 gallons of fluid fertilizer or water.

If a tankmix is being tested, premix the wettable powders in one-eighth cup of water prior to addition to the pint of fluid fertilizer or water.

Add this product to both jars. See Table 3 for rate to use.

Close both jars with lid or stopper and mix the contents by turning the jars upside down ten times.

Inspect the surface and body of the mixture:

- · Immediately after completing the jar inversions.
- · After allowing the jars to stand quietly for 30 minutes.
- And then again after turning the jars upside down 10 times after the 30 minute wait.

#### **EVALUATION**

is maintained in the lank.

If a uniform mixture cannot be made, the mixture should not be used. If either mixture remains uniform for 30 minutes, the combination may be

used.

Should either mixture separate after 30 minutes, but readily remixes uniformly with ten jar inversions, the mixture can be used if adequate agitation

If the mixture with adjuvant is satisfactory, but the one without adjuvant is not, be sure to use the adjuvant in the spray tank.

If adjuvant is needed, add it first at a rate of 3 pints per 100 gallons of fluid fertilizer or water. Foaming can be minimized by using moderate agitation.

If nondispersible oil, studge, or clumps of solids form in the mixture, the combination should not be used.

#### TABLE 3: RATE TABLE FOR THIS PRODUCT IN COMPATIBILITY TESTS

Gallons of Fluid Fertilizer to be Applied Per Acre	Adju	unt of vant to to the	mL or Teaspoon to be Added to 1 Pin							
	1 Pint of Liquid		4 pts/A		5 pts/A		6 pts/A		7 pts/A	
	ml	Tsp	ml	Tsp	ml	Тѕр	ml	Tsp	ml	Tsp
10 gals.	2	0.4	22.0	4.4	28.0	5.6	35.0	7	42.0	8.4
15 gals.	2	0.4	16.0	3.2	20.0	4	25.0	5	30.0	6
20 gals.	2	0.4	13.0	2.6	16.0	3.2	20.0	4	24.0	4.8
25 gals.	2	0.4	9.0	1.8	12.0	2.4	15.0	3	18.0	3.6
30 gals.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4
40 gals.	2	0.4	6.0	1.2	8.0	1.6	10.0	2	12.0	2.4

# IMPREGNATION ON DRY BULK FERTILIZERS

Consult your local dealer for more details.

This product alone and lankmix combinations with atrazine may be impregnated on dry bulk fertilizer. Impregnation of dry bulk fertilizer with atrazine must be limited to 500 tons per day for no more than 30 days per calendar year per facility.

Caution: This product alone and in combination tankmixes must not be impregnated on ammonium nitrate, potassium nitrate, or sodium nitrate fertilizers. Such mixtures may cause explosion and fire.

All individual state regulations relating to dry bulk fertilizer blending, registration, labeling, and application are the responsibility of the individual and/ or company selling the herbicide and fertilizer mixtures.

#### TABLE 4: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT ALONE

Fertilizer Ingredient	N	Р	K
Ammonium sulfate	21	0	0
Diammonium phosphate	18	46	0
Potassium chloride	0	0	60
Potassium sulfate	0	0	52
Single Super-phosphate	0	20	0
Treble Super-phosphate	0	46	0
Urea*	45	0	0
Ammonium phosphate-sulfate	16	20	0
K-Mag/Sul-Po-Mag	0	0	21
Monoammonium phosphate	11	48	0

known to be safe for Com application.

#### TABLE 5: APPROVED DRY BULK FERTILIZER INGREDIENTS FOR USE WITH THIS PRODUCT IN TANKMIX COMBINATIONS WITH ATRAZINE

Fertilizer Ingredient	N	P	K
Ammonium sulfate	21	0	0
Diammonium phosphate	18	46	0
Potassium chloride	0	0	60
Potassium sulfate	0	0	52
Single Super-phosphate	0	20	0
Treble Super-phosphate	0	46	0
Urea*	45	0	0
Ammonium phosphate-sulfate	16	20	0
K-Mag/Sul-Po-Mag	0	0	21
Monoammonium phosphate	11	48	0

"Some ureas may be phytotoxic when high rates are applied to Com. Use only urea rates known to be safe for Com application.

Do not combine this product plus atrazine 4L or SOW with 0-20-0 or 0-48-0. Uniform impregnation of the herbicides on dry bulk fertilizer particles and uniform application in the field are necessary to assure good results.

A minimum of 200 and a maximum of 1200 pounds of approved impregnated ingredients from Tables 4 and 5 must be applied per acre.

Use a closed rotary drum mixer or similar type of closed blender equipped with suitable spray equipment.

The spray nozzle should be positioned inside of the mixer to provide uniform spray coverage of the tumbling fertilizer and provide a uniform fine spray pattern.

Tankmix combinations may be added separately or mixed in the proposed use ratio in a uniform slurry for joint spray impregnation.

Physical properties of fertilizers vary in liquid absorptive capacity. When absorptivity is sufficient, simple spray impregnation of the fertilizer with the herbicides provides a satisfactory, dry mixture.

When the absorptive capacity is not adequate, use of a drying agent is required to provide dry, free-flowing mixtures.

# DRYING AGENT FOR SPINNING-DISC APPLICATORS

Micro-Cel® E calcium silicate powder

# DRYING AGENTS FOR PNEUMATIC APPLICATORS

Micro-Cel E calcium silicate powder

Agsorb® 16/30 RVM-MS granular day

Celatom® MP-79

Drying agents should be added separately and uniformly to the previously impregnated herbicide-fertilizer mixture to insure that the mixture is freeflowing. Generally the following amounts are sufficient:

Micro-Cel E calcium silicate powder less than 2% by weight Agsorb 16/30 RVM-MS granular clay less than 5% by weight less than 5% by weight Celatom MP-79

The amount of this product and atrazine actually required in the manufacture of individual fertilizer mixtures should be determined carefully for each production operation (see Table 6). This is necessary to ensure that the amount of herbicide actually contained in the mixture applied to the soil represents the correct use rate.

# PHYSICAL DATA

Specific Gravity:

0,99 at 68°F (20°C)

Pounds/Gallon

8.27 at 68°F (20°C)

Flashpoint:

>200°F Viscosity: Sprayable down to minus 20°F (-29°C)

TABLE 6: RATE CHART FOR IMPREGNATION OF DRY BULK FERTIL-IZER WITH THIS PRODUCT AND ATRAZINE PER TON OF FERTILIZER

Fertilizer	This Product		Atrazine 4L		Atrazine 80W		
Rate Per Acre	@ 4 pts/A	@ 5 pts/A	@ 6 pts./A	@ 2 pts/A	@ 3 pts/A	@ 1.25 lbs/A	@ 2 lbs/A
200 lbs	20 qts.	25 qts.	30 qts.	10 qts.	15 qts.	12.5 lbs.	20 lbs.
300 lbs	13.33 qts.	16.66 qts.	20 qts.	6.66 qts.	10 qts.	8.33 lbs.	13.33 lbs.
400 lbs.	10 qts.	12,5 qts.	15 qts.	5 qts.	7.5 qts.	6.25 lbs.	10 lbs
500 lbs.	8 qts.	10 qts.	12 qts.	4 qts.	6 qts.	5 lbs.	8 lbs.
600 lbs.	6.66 qts.	8.25 qts.	10 qts.	3.33 qts.	5 qts.	4.2 lbs.	6.66 lbs.
700 lbs.	5.75 qts.	7.25 qts.	8.5 qts.	2.82 qts.	4.25 qts.	3.66 lbs.	5.6 lbs

# STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. PESTICIDE STORAGE: Keep container tightly closed when not in use. Do not store near seed, fertilizer, or foodstuffs. Can be stored at temperatures as low as minus 25°F.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instruction, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and Local authorities.

FOR BULK AND MINI-BULK CONTAINERS CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

FOR MINI-BULK CONTAINERS: REFILL ONLY WITH THIS PRODUCT. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than this product will result in contamination and may weaken container.

After filling and before transporting, check for leaks,

Do not refill or transport damaged or leaking container.

Circulation before dispensing is required,

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER

# WARRANTY-CONDITIONS OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

DoublePlay is a trademark of Syndenta Group Company. Agsorb is a trademark of Oil-Dri Corporation of America Balance and Buctril are trademarks of Bayer CropScience Banvel, Basagran, Clarity, Laddok and Marksman are trademarks of BASF Celetom is a tradiumark of Eagle-Picher Minerals, Inc. Micro-Cel is a trademark of Celife Corporation, C/o World Minerals Inc.



FOR OFFICIAL USE ONLY

FILE SYMBOL

19713-LAI

REGISTRATION NO.

# CONFIDENTIAL STATEMENT OF FORMULA ENCLOSED

DATE	SUBMITTED BY (✓)			
SUBMITTED	APPLICANT	BASIC SUPPLIER		
9/15/04				

Do Not Write Comments, Formula, or Parts of Formula on This Envelope

# NOTE

It shall be unlawful----for any person to use for his own advantage or to reveal, other than to the Secretary or officials or employees of the United States Department of Agriculture or other Federal agencies, or to the courts in response to a subpoena, or to physicians, and in emergencies to pharmacists and other qualified persons, for use in the preparation of antidotes, in accordance with such directions as the Secretary may prescribe, any information relative to formulas of products acquired by authority of Section 4 of the "Federal Insecticide, Fungicide, and Rodenticide Act."

\*Pages 128-133 Confidential Statement of Formula may be entitled to confidential treatment